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Index of Publications on Biological Effects of Electromagnetic Radiation (0-100 GHz)

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Considerable research effort has been made into the biological effects of electromagnetic radiation over the frequency range of 0-100 GHz. This work intensified since 1966 when occupational exposure guidelines were made by American Standards Institute - C95.9. During this period and especially in the last several years it has become clear that a cumulative bibliography of peer reviewed publications reporting this research was needed.

This publication lists 3627 articles published in the world literature dealing with the biological effects of electromagnetic radiation over the frequency range of 0-100 GHz. The contents have been compiled from the data bases of the U.S. Environmental Protection Agency and the Navy Department. The bibliography covers the published work that was available to March 1980.

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Index Of Publications On Biological Effects Of Electromagnetic Radiation (0-100 GHz)

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FOREWORD

The many benefits of our modern, developing, industrial society are accompanied by certain hazards. Careful assessment of the relative risk of existing and new man-made environmental hazards is necessary for the establishment of sound regulatory policy. These regulations serve to enhance the quality of our environment in order to promote the public health and welfare and the productive capacity of our Nation's population.

The Health Effects Research Laboratory, Research Triangle Park, conducts a coordinated environmental health research program in toxicology, epidemiology, and clinical studies using human volunteer subjects. These studies address problems in air pollution, non-ionizing radiation, environmental carcinogenesis and the toxicology of pesticides as well as other chemical pollutants. The Laboratory participates in the development and revision of air quality criteria documents on pollutants for which national ambient air quality standards exist or are proposed, provides the data for registration of new pesticides or proposed suspension of those already in use, conducts research on hazardous and toxic materials, and is primarily responsible for providing the health basis for nonionizing radiation standards. Direct support to the regulatory function of the Agency is provided in the form of expert advice to the Administrator to assure the adequacy of health care and surveillance of persons having suffered imminent and substantial endangerment of their health.

This index compiles much information dealing with electromagnetic radiation over the range of 0-100 GHz. It is intended for use by researchers and agencys doing work with electromagnetic radiation.

F. G. Hueter, Ph.D.
Director
Health Effects Research Laboratory

PREFACE

This publication lists 3627 articles published in the world literature dealing with the biological effects of electromagnetic radiation over the frequency range of 0-100 GHz. The contents have been compiled from the data bases of the Environmental Protection Agency, Health Effects Research Laboratory, Research Triangle Park, N.C. and the Navy Department, Naval Medical Research Laboratory, Bethesda, Maryland. The bibliography covers the published work that was available to March 1980. In addition to research directly involved with biological effects, we have included ancillary reports of dosimetric studies and design of exposure facilities. The bibliography consists of three sections.

KWIC Index	(Key Word-In-Context)-Alphabetical listing of titles by principal (key) words in the title
Author Index	Alphabetical listing of titles by author
Publication Citations	Listing of complete citations by citation code number

Each title in the KWIC and Author Indices contains an individual citation number (e.g., 1023). These numbers are listed sequentially in the Publication Citations section along with the complete citation. In the Author Index citation numbers followed by a + (e.g., 0045+) indicate that the author is the primary author for the citation.

The Author Index may have more than one name entry for a single author. This may be due to an author using one or both initials or due to listing the author with more than one spelling of the last name. An example of the latter case is the name of some Eastern European authors whose transliterated last name has produced more than one spelling.

STOP WORDS

A listing of STOP WORDS for the bibliography begins on page 557. The STOP WORD list is composed of common or insignificant words that have been "stopped" (omitted) so that they will not appear as key words. For example, the words "investigation" and "study" are stopped and will not be found in the KWIC Index as a key word. The purpose of the stop word list is to eliminate excessive KWIC listings and make the results clearer.

Copies of articles published in the open literature may be obtained from local libraries, publishers and authors.

ABSTRACT

Considerable research effort has been made into the biological effects of electromagnetic radiation over the frequency range of 0-100 GHz. This work intensified since 1966 when occupational exposure guidelines were made by the American Standards Institute - C95.9. During this period and especially in the last several years it has become clear that a cumulative bibliography of peer reviewed publications reporting this research was needed.

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CONTENTS

Foreword iii
Preface iv
Abstract v
Acknowledgment vii

Key Word-In-Context Index. 1

Author Index 307

Publication Citations. 461

Stop Words 557

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Comments on this bibliography, its usefulness, and format are welcome.

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MICROWAVE PUBLICATIONS

ICAL METHOD OF CREATING CHROMOSOMAL	ABERRATIONS	0491
LOW FREQUENCY EMR AND GENETIC	ABERRATIONS	1791
ON THE INDUCTION OF CHROMOSOMAL	ABERRATIONS BY 2450 MHZ MICROWAVE RADIATION	2344
OWAVE RADIATION-INDUCED CHROMOSOMAL	ABERRATIONS IN CORNEAL EPITHELIUM OF CHINESE HAMSTERS IN CORNEAL E	0098
CHROMOSOMAL	ABERRATIONS OF LIVING CELLS INDUCED BY MICROWAVE RADIATION	1962
MAL EFFECTS OF MICROWAVE RADIATION:	ABNORMAL DEVELOPMENT OF IRRADIATED INSECT PUPAE	0456
ELECTROPHYSIOLOGICAL EVIDENCE THAT	ABNORMAL EARLY VISUAL EXPERIENCE CAN MODIFY THE HUMAN BRAIN	3022
	ABNORMALITIES AND INTRA-UTERINE DEATH FOLLOWING MICROWAVE THERAPY	0670
	ABNORMALITIES IN ORGANS OF MICE INDUCED BY A MAGNETIC FIELD	2097
MORPHOLOGICAL	ABNORMALITIES RESULTING FROM RADIOFREQUENCY TREATMENT OF LARVAE OF	0964
A TECHNIQUE FOR RELATIVE	ABORPTION CROSS-SECTION DETERMINATION	3317
	ABORTION FOLLOWING ULTRA-SHORT-WAVE HYPERTHERMIA ANIMAL EXPERIMENT	2883
MEASUREMENT OF MICROWAVE RADIATION	ABSORBED BY BIOLOGICAL SYSTEMS, 1, ANALYSIS OF HEATING AND COOLING	2729
MEASUREMENT OF MICROWAVE RADIATION	ABSORBED BY BIOLOGICAL SYSTEMS, 2, ANALYSIS BY DEWAR-FLASK CALORIM	2730
THEORETICAL CALCULATIONS OF POWER	ABSORBED BY MONKEY AND HUMAN PROLATE SPHEROIDAL PHANTOMS IN AN IRR	2193
AVE RADIATION - II: CALCULATIONS OF	ABSORBED DOSE DISTRIBUTIONS IN TWO SIZES OF MUSCLE-EQUIVALENT SPHE	3600
WAVE RADIATION--II: CALCULATIONS OF	ABSORBED DOSE DISTRIBUTIONS IN TWO SUZES OF MUSCLE-EQUIVALENT SPHE	1027
F THE KNOWLEDGE FOR ELECTROMAGNETIC	ABSORBED DOSE IN MAN AND ANIMALS	0403
G AFTER THE TIME OF DEATH AND TOTAL	ABSORBED DOSE IN THE MICROWAVE ENERGY	2882
TION TO THE TIME OF DEATH AND TOTAL	ABSORBED DOSE IN THE MOUSE	0849
COMPARISON OF CALCULATED	ABSORBED DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS EXPOSED TO 2450	2671
CHANGE IN AVERAGE	ABSORBED DOSE RATE OF A GROUP OF MICE UNDER REPEATED EXPOSURE TO 9	2672
FIELD MEASUREMENTS,	ABSORBED DOSE, AND BIOLOGIC DOSIMETRY OF MICROWAVES	1101
ANTITIES, DEFINITIONS, AND UNITS OF	ABSORBED EM ENERGY--AN ESSAY	1905
MEASUREMENT OF POWER	ABSORBED IN THE TISSUES OF MAN AND ANIMALS EXPOSED TO EM FIELDS	2840
AL AND THEORETICAL DETERMINATION OF	ABSORBED MICROWAVE DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS IRRADI	2590
DEPENDENCE OF TOTAL AND DISTRIBUTED	ABSORBED MICROWAVE ENERGY UPON SIZE AND ORIENTATION OF RAT PHANTOM	2194
ATION OF THE BRAIN--QUANTITATION OF	ABSORBED POWER	1334
INDUCED EM FIELD AND	ABSORBED POWER DENSITY INSIDE A HUMAN TORSO	1795
INDUCED EM FIELD AND	ABSORBED POWER DENSITY INSIDE HUMAN TORSOS BY 1 TO 500 MHZ EM WAVE	1608
MEASUREMENT OF	ABSORBED POWER PATTERNS IN THE HEAD AND EYES OF RABBITS EXPOSED TO	1864
FIBEROPTIC LIQUID CRYSTAL PROBE FOR	ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREMENT IN TISS	1103
UNDERSTANDING MICROWAVE	ABSORBING MATERIALS AND ANECHOIC CHAMBERS PART 2	3351
UNDERSTANDING MICROWAVE	ABSORBING MATERIALS AND ANECHOIC CHAMBERS PART 3	3350
UNDERSTANDING MICROWAVE	ABSORBING MATERIALS AND ANECOHIC CHAMBERS, PARTS I THRU IV	3306
L SIMULATION OF THE HUMAN BODY WHEN	ABSORBING NON-IONIZING MICROWAVE IRRADIATION--WITH EMPHASIS ON THE	2191
HYL PALMITATE:EVIDENCE OF RESONANCE	ABSORPTION	3483
BIOPHYSICS--ENERGY	ABSORPTION AND DISTRIBUTION	1598
	ABSORPTION AND ENERGY TRANSFER OF MICROWAVES AND ULTRASOUND IN TIS	3323
MICROWAVE	ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS IX. MEASUREMENT IN O	3344

MICROWAVE	ABSORPTION	AND TASTE AVERSION AS A FUNCTION OF 915 MHZ RADIATION	2660
MEASUREMENTS OF POWER	ABSORPTION	BY HUMAN PHANTOMS IMMERSED IN RADIO-FREQUENCY FIELDS	1100
FREQUENCY DEPENDENCE OF ENERGY	ABSORPTION	BY INSECTS AND GRAIN IN ELECTRIC FIELDS	0981
FREQUENCY DEPENDENCE OF ENERGY	ABSORPTION	BY INSECTS AND GRAIN IN ELECTRIC FIELDS	3559
N THE REDUCTION OF MICROWAVE ENERGY	ABSORPTION	BY MICE	2762
MICROWAVE	ABSORPTION	BY NORMAL AND TUMOR CELLS	1971
ONG-WAVELENGTH ANALYSIS OF EM POWER	ABSORPTION	BY PROLATE SPHEROIDAL AND ELLIPSOIDAL MODELS OF MAN	1604
MICROWAVE-POWER	ABSORPTION	BY RECTANGULAR-SHAPED CONDUCTIVE DIELECTRIC SAMPLES IN	1646
SURVEY OF MICROWAVE	ABSORPTION	CHARACTERISTICS OF BODY TISSUES	1573
	ABSORPTION	CHARACTERISTICS OF MULTI-LAYERED SPHERE MODELS EXPOSED	1715
RELATIVE MICROWAVE	ABSORPTION	CROSS SECTIONS OF BIOLOGICAL SIGNIFICANCE	3449
THERMOGRAPHIC MEASUREMENT OF POWER	ABSORPTION	DENSITIES IN SPHEROIDAL TISSUE STRUCTURES AND PHANTOM M	1740
ELECTROMAGNETIC	ABSORPTION	IN A MULTILAYERED MODEL OF MAN	0127
MICROWAVE POWER DENSITY	ABSORPTION	IN A SPHERICAL MULTILAYERED MODEL OF THE HEAD	2198
MOGRAPHY FOR QUANTITATION OF ENERGY	ABSORPTION	IN ANIMALS IRRADIATED WITH MICROWAVES	1145
EM POWER	ABSORPTION	IN ANISOTROPIC TISSUE MEDIA	1306
MOLECULAR MECHANISMS FOR MICROWAVE	ABSORPTION	IN BIOLOGICAL SYSTEMS	1535
DIES IN THE DETERMINATION OF ENERGY	ABSORPTION	IN BIOLOGICAL TISSUES	3271
ENERGY	ABSORPTION	IN CYLINDERS CONTAINING A UNIFORMLY DISTRIBUTED SOURCE	3287
ELECTROMAGNETIC POWER	ABSORPTION	IN CYLINDRICAL TISSUE MODELS EXCITED BY A LOOP ANTENNA	0204
DISPERSION AND	ABSORPTION	IN DIELECTRICS.I. ALTERNATING CURRENT CHARACTERISTICS	3208
LONG-WAVELENGTH EM POWER	ABSORPTION	IN ELLIPSOIDAL MODELS OF MAN AND ANIMALS	1612
CTS OF THE SURROUNDINGS ON EM-POWER	ABSORPTION	IN LAYERED-TISSUE MEDIA	1233
DETERMINATION OF POWER	ABSORPTION	IN MAN EXPOSED TO HIGH FREQUENCY EM FIELDS BY THERMOGRA	1246
MEASUREMENT OF RADIOFREQUENCY POWER	ABSORPTION	IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED	1778
MEASUREMENT OF RADIOFREQUENCY POWER	ABSORPTION	IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED	2190
LONG-WAVELENGTH EM POWER	ABSORPTION	IN PROLATE SPHEROIDAL MODELS OF MAN AND ANIMALS	1305
VIORAL EFFECTS OF RESONANT EM POWER	ABSORPTION	IN RATS	2166
MICROWAVE ENERGY	ABSORPTION	IN TISSUE	0938
OBE FOR THE MEASUREMENT OF EM POWER	ABSORPTION	IN TISSUE	1749
MICROWAVE ENERGY	ABSORPTION	IN TISSUE	3230
MICROWAVE	ABSORPTION	MEASUREMENTS	1470
CHCRAFT IN RF MEASUREMENTS OR POWER	ABSORPTION	MEASUREMENTS IN HF FIELDS	2400
A HPYOTHESIS CONCERNING THE	ABSORPTION	MECHANISM OF ATMOSPHERICS IN THE NERVOUS SYSTEM	2126
NUMERICAL STUDIES OF	ABSORPTION	OF ELECTROMAGNETIC ENERGY BY MAN	0153
THE	ABSORPTION	OF ELECTROMAGNETIC ENERGY IN BODY TISSUES PART I BIOPHY	3324
THE	ABSORPTION	OF ELECTROMAGNETIC ENERGY IN BODY TISSUES. PART II. PHY	2945
THE	ABSORPTION	OF EM ENERGY IN BODY TISSUES: A REVIEW AND CRITICAL ANA	0596
ORIENTATION EFFECTS ON WHOLE ANIMAL	ABSORPTION	OF EM WAVES	1335
MICROWAVE	ABSORPTION	OF LIVING HUMAN SKIN BETWEEN 8 AND 96 GHZ	1690
FFERENTIAL HEATING OF CELL-TYPES BY	ABSORPTION	OF MAGNETIC ENERGY	2328
DETERMINATION OF THE	ABSORPTION	OF MICROWAVE RADIATION BY A BIOLOGICAL SPECIMEN IN A 24	0744
DETERMINATION OF THE	ABSORPTION	OF MICROWAVE RADIATION BY A BIOLOGICAL SPECIMEN IN A 24	3091
DETERMINATION OF THE	ABSORPTION	OF MICROWAVE RADIATION BY A BIOLOGICAL SPECIMEN IN A 24	3257
DETERMINATION OF ENERGY	ABSORPTION	OF MICROWAVE RADIATION USING THE COOLING CURVE TECHNIQU	1820
DETERMINATION OF ENERGY	ABSORPTION	OF MICROWAVE RADIATION USING THE COOLING CURVE TECHNIQU	3256
. BLE MECHANISMS FOR THE BIOMOLECULAR	ABSORPTION	OF MICROWAVE RADIATION WITH FUNCTIONAL IMPLICATIONS	1022
NONLINEAR EFFECT ON THE	ABSORPTION	OF MICROWAVES BY A PLASMA	0949
	ABSORPTION	OF MICROWAVES BY MICROORGANISMS	0658
	ABSORPTION	OF MICROWAVES BY MOLECULES	3244
RESONANCE	ABSORPTION	OF MICROWAVES BY THE HUMAN SKULL	1704
D FREQUENCY EFFECTS ON WHOLE ANIMAL	ABSORPTION	OF MICROWAVES--LETHALITY EXPERIMENTS	2378
SON OF THEORETICAL AND EXPERIMENTAL	ABSORPTION	OF RADIO FREQUENCY POWER	1684
SON OF THEORETICAL AND EXPERIMENTAL	ABSORPTION	OF RADIOFREQUENCY POWER	0742
	ABSORPTION	OF RADIOPHOSPHORUS ACROSS THE SYNOVIAL MEMBRANE OF THE	2045
D FREQUENCY EFFECTS ON WHOLE ANIMAL	ABSORPTION	OF RF ENERGY	0780
OLARIZATION EFFECTS ON WHOLE ANIMAL	ABSORPTION	OF RF ENERGY	3556
THE MECHANISM OF	ABSORPTION	OF UHF EM ENERGY IN TISSUES, AS RELATED TO THE PROBLEM	0558
: STRONG DEPENDENCE OF WHOLE ANIMAL	ABSORPTION	ON POLARIZATION AND FREQUENCY OF RADIO-FREQUENCY ENERGY	1104
ENERGY	ABSORPTION	PATTERNS IN CIRCULAR TRIPLE-LAYERED TISSUE CYLINDERS EX	0851
RF RADIATION	ABSORPTION	PATTERNS: HUMAN AND ANIMAL MODELING DATA	2792
COMPARISON OF THE AVERAGE SPECIFIC	ABSORPTION	RATE IN THE ELLIPSOIDAL CONDUCTOR AND DIELECTRIC MODELS	2737
APPLICATIONS OF MAGNETIC RESONANCE	ABSORPTION	SPECTROSCOPY TO THE STUDY OF THE EFFECTS OF MICROWAVES	1472
	ABSORPTIVE	ACTIVITY OF STOMACH AND INTESTINE UNDER THE INFLUENCE O	1856
OF COMPLEX DIELECTRIC CONSTANTS OF	ABSORPTIVE	LIQUIDS BY MICROWAVE INTERFEROMETRY	3332

	ACETYCHOLINE AND CHOLINE LEVELS IN THE RAT CORPUS STRIATUM AFTER M	1518
THE RAT BRAIN PRIOR TO ANALYSIS FOR	ACETYLCHOLINE	2518
EFFECTS OF SODIUM PENTOBARBITAL ON	ACETYLCHOLINE CONCENTRATION IN MOUSE BRAIN REGIONS	1202
BIOSYNTHESIS OF	ACETYLCHOLINE IN DIFFERENT BRAIN REGIONS IN VIVO FOLLOWING ALTERNA	1620
APPARENT REGIONAL TURNOVER OF	ACETYLCHOLINE IN MOUSE BRAIN: METHODOLOGICAL AND FUNCTIONAL ASPECT	2527
E RADIATION IN THE DETERMINATION OF	ACETYLCHOLINE IN THE RAT BRAIN	2516
DECREASE OF	ACETYLCHOLINE RECEPTOR SYNTHESIS IN MUSCLE CULTURES BY ELECTRICAL	0672
VIVAL PERIODS OF RATS INJECTED WITH	ACETYLCHOLINE , EPINEPHRINE, HISTAMINE OR SEROTONIN AND EXPOSED TO	0355
GAMMA GLOBULIN,	ACETYLCHOLINESTERASE , AND CHYMOTRYPSIN FOLLOWING RADIOFREQUENCY IR	1983
OF LOW-INTENSITY MICROWAVES ON THE	ACID-BASE BALANCE IN EXPERIMENTAL ANIMALS (IN RUSSIAN)	1315
MICROWAVE-INDUCED	ACOUSTIC EFFECTS IN MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERI	1072
GENERATION OF	ACOUSTIC SIGNALS BY PULSED MICROWAVE ENERGY	0718
THE GENERATION OF	ACOUSTIC SIGNALS IN MATERIALS IRRADIATED WITH MICROWAVE PULSES--A	2441
IENTATION TO VARIOUS INSECTS MOVING	ACROSS HARD- SURFACE ROADS	0916
PEARL CHAIN FORMATION	ACROSS RADIO FREQUENCY FIELDS	1730
ABSORPTION OF RADIOPHOSPHORUS	ACROSS THE SYNOVIAL MEMBRANE OF THE KNEE JOINT UNDER THE INFLUENCE	2045
CALCULATION OF VAN DER WAALS FORCES	ACROSS THIN LIPID FILMS	3225
ORIENTATION OF	ACTIN AND MYOSIN FILAMENTS IN INTERMEDIATE STRENGTH MAGNETIC FIELD	2338
TONIC RETICULAR	ACTIVATING SYSTEM: RELATIONSHIP TO AVERSIVE BRAIN STIMULATION EFFE	1955
OID SUPPRESSION AND ADRENOMEDULLARY	ACTIVATION BY LOW-INTENSITY MICROWAVE RADIATION	1111
EVIDENCE FROM	ACTIVATION ENERGIES FOR SUPERCONDUCTIVE TUNNELING IN BIOLOGICAL SY	0458
CONFORMATIONAL EFFECTS ON THE	ACTIVATION FREE ENERGY OF DIFFUSION THROUGH MEMBRANES AS INFLUENCE	0860
RMINATIONS OF RADIATION DOSE TO THE	ACTIVE BONE MARROW FROM DIAGNOSTIC X-RAY EXAMINATIONS	3083
MILLIMETER-BAND EMR ON BIOLOGICALLY	ACTIVE COMPOUNDS	2307
PLASMA IMPEDANCE ELEMENT IN AN	ACTIVE FABROY-PEROT MICROWAVE RESONATOR	3308
PHYSICAL PROPERTIES OF BIOLOGICALLY	ACTIVE LOW-FREQUENCY EM FIELDS (IN GERMAN)	2710
OF TRIGGERED UNIPOLAR PACEMAKERS IN	ACTIVE MAGNETIC FIELDS	2086
EFFECT OF AN	ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS	2036
EMISSION AT MICRON WAVELENGTHS FROM	ACTIVE NERVES	1039
RETICULAR INFLUENCES ON THE EVOKED	ACTIVIITY OF THE CEREBELLUM UNDER THE EFFECT OF A CONSTANT MAGNETI	0245
EFFECTS OF RF FIELDS ON NERVOUS	ACTIVITIES	2443
IN THE EM ENVIRONMENT OF AEROSPACE	ACTIVITIES (IN FRENCH)	1843
EFFECTS OF SHF FIELDS ON ENZYMATIC	ACTIVITIES AND PYRIDOXINE LEVELS IN THE ORGANS OF WHITE RATS	1513
AL AND MAGNETIC FIELDS IN THE VITAL	ACTIVITIES OF BIOLOGICAL SYSTEMS	0763
STATUS REPORT ON	ACTIVITIES OF THE AMERICAN NATIONAL STANDARDS C95 COMMITTEE ON RAD	2274
WHO CONCERN AND	ACTIVITIES RELATED TO HEALTH IMPLICATIONS OF MICROWAVE RADIATION	1368
. PUBLIC HEALTH SERVICE CONCERN AND	ACTIVITIES RELATED TO HEALTH IMPLICATIONS OF MICROWAVE RADIATION	1369
IC EXPLANATION FOR THE RATIONALE OF	ACUPUNCTURAL ANALGESIA	1896
A WESTERN VIEW OF	ACUPUNCTURE	1895
EEG OF MAMMALIAN BRAINS :EFFECTS OF	ACUTE & CHRONIC IRRADIATIONS	0095
HOLINERGIC AGENTS ON THE OUTCOME OF	ACUTE AFFECTION OF MICE IN IRRADIATION WITH MICROWAVES	1397
UNILATERAL ELECTRIC SHOCK.	ACUTE AND CHRONIC EXPERIMENTAL EEG'S ON RABBIT (IN ITALIAN)	1892
LECTROENCEPHALOGRAPHIC STUDY OF THE	ACUTE EFFECTS OF X-BAND MICROWAVES IN RABBITS	1252
THE PATHOPHYSIOLOGY OF	ACUTE ELECTRIC INJURIES	2321
STAMINE OR SEROTONIN AND EXPOSED TO	ACUTE MICROWAVE IRRADIATION (IN POLISH)	0355
	ACUTE MICROWAVE IRRADIATION AND CATARACT FORMATION IN RABBITS AND	1128
OME ANALEPTICS ON THE OUTCOME OF AN	ACUTE MICROWAVE LESION ON MICE (IN RUSSIAN)	1630
	ACUTE STAPHYLOCOCCAL INFECTIONS IN RABBITS IRRADIATED WITH 3-GHZ M	1082
D PERIODIC MICROWAVE IRRADIATION IN	ACUTE TESTS	1363
LOOD TRACE ELEMENTS IN PATIENTS AND	ACUTE THROMBOPHLEBITIS OF THE LOWER EXTREMITIES UNDER THE INFLUENC	2479
ATION CONTROL FOR HEALTH AND SAFETY	ACY OF 1968, COVERING 1969	2991
GEN TENSION AND TEMPERATURE IN RATS	ADAPTED TO HYPOXIA	0378
	ADAPTING TO MORE INTERFERENCE	3118
DUCED LOCAL HYPERTHERMIA ON MAMMARY	ADENOCARCINOMA IN C3H MICE	1238
TREATMENT OF A SOLID MOUSE MAMMARY	ADENOCARCINOMA IN VIVO (LETTER TO THE EDITOR)	2819
CYCLIC	ADENOSINE MONOPHOSPHATE IN BRAIN AREAS: MICROWAVE IRRADIATION AS A	0716
450 MHZ MICROWAVE RADIATON ON LIVER	ADENOSINE TRIPHOSPHATE (ATP)	0812
INFLUENCE OF	ADENOSINE , CAMP AND DB-CAMP ON RESPONSES OF THE ISOLATED TERMINAL	1875
PGE-STIMULATION OF	ADENYL CYCLASE IN THE BRAIN OF RATS EXPOSED TO LOW POWER DENSITY M	2412
ONS BROUGHT ON IN THE RABBIT BY THE	ADMINISTRATION OF AN ALIMENTARY HYPERCHOLESTEROL REGIME (IN FRENCH	1775
RE OF A SOLID TUMOR BY SIMULTANEOUS	ADMINISTRATION OF MICROWAVES AND X-RAY IRRADIATION	1958
ANNUAL REPT. TO THE CONGRESS ON THE	ADMINISTRATION OF RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1	1295
1976 ANNUAL REPORT:	ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT	2544
ANNUAL REPORT ON THE	ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT	2935

ANNUAL REPORT ON THE	ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT	3072
ANNUAL REPORT ON THE	ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT	3108
ANNUAL REPORT, 1975,	ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT	3137
THE SECOND ANNUAL REPORT OF THE	ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACY	2991
BONNEVILLE POWER	ADMINISTRATION 'S PROTOTYPE 1100/1200 KV TRANSMISSION LINE PROTOTYP	3170
	ADMITTANCE AND RADIATION EFFICIENCY OF THE HUMAN BODY IN THE RESON	3528
SED MICROWAVES ON HAEMATOPOIESIS OF	ADOLESCENT RATS	1132
STIMULATION OF THE	ADRENAL AXIS IN THE MICROWAVE EXPOSED RAT	1888
ICROWAVE IRRADIATION ON THYROID AND	ADRENAL FUNCTION IN RATS	3214
ROWAVE ON DEVELOPMENT OF GONADS AND	ADRENAL GLANDS IN THE NEWBORN RAT	3415
TION ON THE FUNCTIONAL STATE OF THE	ADRENAL MEDULLA	1448
PHYSECTOMY AND DEXAMETHASONE ON RAT	ADRENAL RESPONSE TO MICROWAVES	0430
GLUCOCORTICOID FUNCTION OF THE	ADRENALS IN RADIOWAVE SICKNESS	1443
ETER WAVES AND INDUCTOTHERMY ON THE	ADRENOCORTICAL FUNCTION OF CHILDREN WITH BRONCHIAL ASTHMA	0282
	ADRENOCORTICOTROPIC ACTIVITY OF THE HYPOPHYSIS UNDER THE EFFECT OF	1637
THYROID SUPPRESSION AND	ADRENOMEDULLARY ACTIVATION BY LOW-INTENSITY MICROWAVE RADIATION	1111
ECTRODE PLACEMENT ON STIMULATION OF	ADULT FROG LIMB REGENERATION	2239
POSED CONTINUOUSLY THROUGHOUT THEIR	ADULT LIFE TO PULSED EMR	1167
PHYSIOLOGICAL CHANGES IN	ADULT RATS EXPOSED TO AN ELF ROTATING MAGNETIC FIELD	0786
BEHAVIORAL CHANGES IN	ADULT RATS EXPOSED TO ELF MAGNETIC FIELDS	0785
MORPHOLOGICAL CHANGES IN	ADULT TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) RESULTING FROM	1976
SAE COMMITTEE	AE-4 ELECTROMAGNETIC SUSCEPTIBILITY TEST PROGRAM ON HEART PACEMAKE	2272
PREDICTION OF	AERIAL RADIATION PATTERNS FROM NEAR FIELD MEASUREMENTS	3294
ICAL RISKS IN THE EM ENVIRONMENT OF	AEROSPACE ACTIVITIES (IN FRENCH)	1843
	AFRRI ELECTROMAGNETIC PULSE (EMP) SIMULATOR	2085
RADIATION HAZARDS (	AGARD LECTURE SERIES NO. 78)	3149
IC FIELDS AND ITS RELATION TO THEIR	AGE	1692
INFLUENCE OF THE	AGE OF MICE ON THE EFFECTIVENESS OF STIMULATION OF THE IMMUNE SYST	3424
THE RELATION OF SEX,	AGE , AND WEIGHT OF MICE TO MICROWAVE RADIATION SENSITIVITY	1120
IN JUVENILES, MICROWAVE WORKERS AND	AGE-MATCHED GROUPS	0892
ENT CAPABILITIES: STATE AND FEDERAL	AGENCIES	0755
	AGENCIES REACT TO ELECTROMAGNETIC RADIATION RISKS	3502
ANESTHESIA AS AN EFFECTIVE	AGENT AGAINST THE PRODUCTION OF CONGENITAL ANOMALIES IN MOUSE FETU	1615
LOWING TREATMENT WITH PHARMACOLOGIC	AGENTS	1460
T AFTER TREATMENT WITH ANS BLOCKING	AGENTS	2749
THE EFFECT OF CHOLINERGIC	AGENTS ON THE OUTCOME OF ACUTE AFFECTION OF MICE IN IRRADIATION WI	1397
ENHANCED UPTAKE OF ANTINEOPLASTIC	AGENTS PRODUCED BY MICROWAVE-INDUCED TUMOR HYPERTHERMIA AND DIFFER	2364
TIVENESS OF CANCER CHEMOTHERAPEUTIC	AGENTS WHEN COMBINED WITH SIMULTANEOUS MICROWAVE IRRADIATION	2325
PATHOGENESIS AND	AGGRAVATION OF OCCUPATIONAL DISEASES CAUSED BY RAYS OF DIFFERENT W	1626
E STUDIES OF CARTILAGE PROTEOGLYCAN	AGGREGATION	2399
S THAT ARE USED FOR IDENTIFICATION,	AGGREGATION , AND DISPERSAL	0502
LOCOMOTOR ACTIVITY AND	AGONISTIC BEHAVIOR OF TWO STRAINS OF MICE IN A 60-HERTZ EM FIELD	2038
	AGRICULTURAL MICROWAVE APPLICATIONS RESEARCH	1193
N CHAMBER FOR SCIENTIFIC STUDIES ON	AGRICULTURAL PRODUCTS	2146
RADIATION PROCESSING IN	AGRICULTURE	0984
WAVE RADIATION AND THE VIRULENCE OF	AGROBACTERIUM TUMEFACIENS STRAIN B6	0022
TIC ACTIVITY IN ASPERGILLUS ORYZAE (	AHLB .) COHN (STRAIN OF MOSCOW STATE UNIVERSITY)	2828
ICIENT STANDARDS EMPLOYING PRECISON	AIR-DIELECTRIC COAXIAL LINES	3343
	AIRBORNE (0.4 TO 10 GHZ) ELECTROMAGNETIC ENVIRONMENT SURVEY OF U.S	3153
CITY NOISE AND ITS EFFECT UPON	AIRBORNE ANTENNA NOISE TEMPERATURE AT UHF	3177
ANALYSIS OF	AIRBORNE VHF/UHF INCIDENTIAL NOISE OVER METROPOLITAN AREAS	3180
ED RADIATION SAFETY PRECAUTIONS FOR	AIRBORNE WEATHER RADAR	3071
VE HAZARD MEASUREMENTS NEAR VARIOUS	AIRCRAFT RADARS	0779
NOISE FROM TOWNS: MEASURED FROM AN	AIRPLANE	3125
N OF WORKING CONDITIONS OF CIVILIAN	AIRPORT RADAR INSTALLATIONS	2558
OF RADAR STATIONS AT CIVIL AVIATION	AIRPORTS	1438
CHANGES IN CONDUCTIVITY OF	ALAMETICIN-MODIFIED PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQ	0002
OVAK STUDY OF THE DEPENDENCE OF THE	ALBEDO ON THE HEIGHT OF THE SUN AND ON CLOUDINESS	3452
EATED MICROWAVE IRRADIATIONS TO THE	ALBINO RABBIT EYE	2682
ON ACTIVITY OF REDOX ENZYMES IN THE	ALBINO RAT LIVER (HISTOCHEMICAL INVESTIGATION)	2054
31 I-THYROXIN BINDING BY TISSUES OF	ALBINO RAT ORGANS	3432
ND MICROWAVE) ON BONE GROWTH IN THE	ALBINO RAT	3371
AVE EXPOSURE ON THYMIDINE UPTAKE IN	ALBINO RATS	0719
REGNANCY AND PROGENY DEVELOPMENT IN	ALBINO RATS	1430
IRRADIATION OF BOUVINE SERUM	ALBUMIN USING A CROSSED BEAM EXPOSURE/DETECTION SYSTEM	3555

PAPER: IRRADIATION OF BOVINE SERUM	ALBUMIN WITH A CROSSED-BEAM EXPOSURE-DETECTION SYSTEM	1083
ELECTRIC DISPERSION IN BOVINE SERUM	ALBUMIN	3205
OORGANISMS IN LIQUID, BUFFERED, AND	ALCOHOLIC FOOD SYSTEMS	2498
R FREQUENCY RF ENERGY FOR IMPROVING	ALFALFA SEED GERMINATION	0848
ON THE BIOELECTRIC RESPONSE OF THE	ALGA NITELLA CLAVATA	1583
THE EFFECTS OF MICROWAVES ON GREEN	ALGAE	3235
RABBIT BY THE ADMINISTRATION OF AN	ALIMENTARY HYPERCHOLESTEROL REGIME (IN FRENCH)	1775
GH FREQUENCY RANGE ON THE COURSE OF	ALLERGIC REACTIONS OF THE DELAYED TYPE	0317
EQUENCY RANGE ON THE COURSE OF SLOW	ALLERGIC REACTIONS. (IN RUSSIAN)	0344
OPTIMAL RESOURCE	ALLOCATION FOR AN ENVIRONMENTAL SURVEILLANCE SYSTEM	3188
NFIGURATION FOR OVERHEAD LINES WITH	ALLOWANCES FOR CORONA LOSSES AND INTERFERENCES: METHOD OF THEIR M	3593
TINAL POTENTIAL AS THE GENERATOR OF	ALPHA RHYTHM IN THE HUMAN ELECTROENCEPHALOGRAM	0731
ACTIVITY CHANGES IN	ALPHA-AMYLASE SOLUTIONS FOLLOWING THEIR EXPOSURE TO RADIO-FREQUENC	2954
ENCE OF MAGNETIC FIELDS PRODUCED BY	ALPHA-RHYTHM CURRENTS	2100
REFLEXES IN MICE UNDER FOOTHILL AND	ALPINE CONDITIONS	0273
FREQUENCY VERTICAL ANTENNAS TO HIGH	ALTITUDE NUCLEAR ELECTROMAGNETIC PULSE (EMP)	3098
HE EFFECT OF PULSED, SHORT WAVES ON	ALVEOLAR HEALING	0512
TECHNIQUE FOR REDUCING THE	AMBIENT ELECTRIC FIELD GENERATED BY INDUCTIVE VOLTAGES IN LOW FREQ	1210
MICROWAVE IRRADIATION AND	AMBIENT TEMPERATURE INTERACT TO ALTER RAT BEHAVIOR FOLLOWING OVERN	0417
THE EFFECT OF	AMBIENT TEMPERATURE ON THE REDUCTION OF MICROWAVE ENERGY ABSORPTIO	2762
ATION OF THE PROTOZOAN, SPIROSTOMUM	AMBIGUUM	2475
THE RESPONSE OF AN	AMELANOTIC HAMSTER MELANOMA TO VARIOUS TREATMENT MODALITIES UTILIZ	2363
THE ZAPPING OF	AMERICA	2842
VOICE OF	AMERICA BROADCASTING TRANSMITTWRS	3501
ND EFFECTS ON LOCOMOTOR ACTIVITY IN	AMERICAN EELS AND ATLANTIC SALMON OF EXTREMELY LOW FREQUENCY ELECT	1783
ANIC ELECTRIC FIELDS: PERCEPTION BY	AMERICAN EELS?	1851
STATUS REPORT ON ACTIVITIES OF THE	AMERICAN NATIONAL STANDARDS C95 COMMITTEE ON RADIO FREQUENCY RADIA	2274
OWER TRANSMISSION HELD BY THE JOINT	AMERICAN-SOVIET COMMITTEE ON COOPERATION IN THE FIELD OF ENERGY, W	3155
RYTHROCYTE SHADOWS IN THE REGION OF	AMIDE I AND AMIDE II BANDS UNDER MICROWAVE IRRADIATION (IN RUSSIAN	1794
HADOWS IN THE REGION OF AMIDE I AND	AMIDE II BANDS UNDER MICROWAVE IRRADIATION (IN RUSSIAN)	1794
FIELDS ON EFFLUX OF CALCIUM AND AN	AMINO ACID TRANSMITTER (GABA) FROM BRAIN TISSUE	1989
OXIDATION OF	AMINO ACIDS BY SINGLET OXYGEN: I. COMPARISON OF DYE SENSITIZED PHO	2046
EFFLUX OF CALCIUM AND	AMINO ACIDS FROM CEREBRAL TISSUE WITH WEAK, LOW-FREQUENCY ELECTRIC	2310
ISPERSION OF CRYSTALLINE POWDERS OF	AMINO ACIDS, PEPTIDES & PROTEINS	3203
RETROGRADE	AMNESIA : EFFECTS OF HANDLING AND MICROWAVE RADIATION	1201
OF LOW FREQUENCY ELECTRIC FIELDS ON	AMOEBAE AND THEIR USES AS TOOLS FOR STUDYING CELLULAR STRUCTURE)	0636
HANGES IN THE SHAPE AND MOTILITY OF	AMOEBAS	0813
CYCLIC	AMP AND CYCLIC GMP IN THE RAT GASTRIC MUCOSA	2860
EPIPHYSEAL CARTILAGE CYCLIC	AMP CHANGES PRODUCED BY ELECTRICAL AND MECHANICAL PERTURBATIONS	2777
CYCLIC	AMP IN BRAIN AREAS: EFFECTS OF AMPHETAMINE AND NOREPINEPHRINE ASS	2517
JECTED PSYCHOACTIVE DRUGS ON CYCLIC	AMP LEVELS IN MOUSE BRAIN AND LUNG FOLLOWING MICROWAVE IRRADIATION	2769
LIC AMP IN BRAIN AREAS: EFFECTS OF	AMPHETAMINE AND NOREPINEPHRINE ASSESSED THROUGH THE USE OF MICROWA	2517
SOURCES, PROPAGATION,	AMPLITUDE AND TEMPORAL VARIATION OF EXTREMELY LOW FREQUENCY (0-100	1663
ERVATIONS OF CHICKS EXPOSED TO WEAK	AMPLITUDE MODULATED 450 MHZ FIELDS	2661
E SPINDLE SECONDARY ENDING TO SMALL	AMPLITUDE SINUSOIDAL STRETCH	2641
TIME AND	AMPLITUDE STATISTICS FOR ELECTROMAGNETIC NOISE IN MINES	3562
	AMPLITUDE-MODULATED , VERY HIGH FREQUENCY ELECTRIC FIELDS	2419
YING AND STERILIZING PHARMACEUTICAL	AMPOULES BY MICROWAVES AT 2.45 GHZ	1228
IONS CAN BE DETECTED BY LORENZINIAN	AMPULLAE	0404
	ANALEPTIC EFFECT OF MICROWAVE IRRADIATION ON EXPERIMENTAL ANIMALS	1850
THE EFFECT OF SOME	ANALEPTICS ON THE OUTCOME OF AN ACUTE MICROWAVE LESION ON MICE (IN	1630
N FOR THE RATIONALE OF ACUPUNCTURAL	ANALGESIA	1896
ELECTRO-ACUPUNCTURE	ANALGESIA IN MONKEYS: A BEHAVIORAL AND NEUROPHYSIOLOGICAL ASSESSME	2362
ERAL CONDITIONING STIMULATION AS AN	ANALGESIC MEASURE IN CHRONIC PAIN	0143
OF LOW FREQUENCY ELECTRIC FIELD ON	ANAPHYLACTIC SHOCK AND ANTIBODY PRODUCTION (IN RUSSIAN)	1937
	ANATOMICAL LOCALIZATION OF HUMAN DETECTION OF WEAK EMR: EXPERIMENT	0155
EGULATION BASED ON THE PRE-EXISTING	ANATOMY OF CELLS AND MOLECULAR MOTIONS	2986
IGNITABILITY OF	ANECHOIC CHAMBER FOAM BY ELECTRIC CURRENTS	0945
MINIATURE	ANECHOIC CHAMBER FOR CHRONIC EXPOSURE OF SMALL ANIMALS TO PLANE-WA	0420
G MICROWAVE ABSORBING MATERIALS AND	ANECHOIC CHAMBERS PART 2	3351
G MICROWAVE ABSORBING MATERIALS AND	ANECHOIC CHAMBERS PART 3	3350
G MICROWAVE ABSORBING MATERIALS AND	ANECOHIC CHAMBERS, PARTS I THRU IV	3306
	ANENCEPHALUS , DRINKING WATER, GEOMAGNITISM, AND COSMIC RADIATION	0005
EFFECT OF	ANENOSINE MONOPHOSPHORIC ACID ON OXIDATIVE PHOSPHORYLATION IN THE	1838
ESIA (GENERAL ELECTROPHARMACEUTICAL	ANESTHESIA	1224

	ANESTHESIA AS AN EFFECTIVE AGENT AGAINST THE PRODUCTION OF CONGENI	1615
EFFECT OF GENERAL	ANESTHETICS ON MICE FOLLOWING MICROWAVE IRRADIATION	0246
ICAL STIMULATION OF VAGAI NUCLEI IN	ANESTHETIZED AND UNANESTHETIZED CATS	3405
ES ONDES SUR LA REPRODUCTION DE CES	ANIMAUX	2919
EM POWER ABSORPTION IN	ANISOTROPIC TISSUE MEDIA	1306
LASERS AND TELEVISION RECEIVERS--AN	ANNOTATED BIBLIOGRAPHY	0562
AN	ANNOTATED BIBLIOGRAPHY OF REGULATIONS, STANDARDS AND GUIDES FOR MI	0597
IN MAN ASSOCIATED WITH CONCOMITANT	ANNOTATED PATHOLOGIES	0890
GAINST THE PRODUCTION OF CONGENITAL	ANOMALIES IN MOUSE FETUSES EXPOSED TO EMR	1615
SIGNIFICANCE OF INDUCED CONGENITAL	ANOMALIES	2886
ED WITH THE INCIDENCE OF CONGENITAL	ANOMALIES : A LOCALIZED INVESTIGATION	3140
ATED RAT HEART AFTER TREATMENT WITH	ANS BLOCKING AGENTS	2749
TO MICROWAVES DUE TO LOOP OR DIPOLE	ANTENN	0052
TION HAZARDS AROUND LARGE MICROWAVE	ANTENNA	0515
VICINITY OF AN FM BROADCAST STATION	ANTENNA	1701
THE BROADCAST	ANTENNA	3492
H MEASUREMENTS TAKEN WITH RECEIVING	ANTENNA 10 FEET ABOVE GROUND- NEW YORK CITY UHF-TV PROJECT	3524
THE RECEIVING	ANTENNA AND MICROWAVE POWER RECTIFICATION	2934
	ANTENNA AND POWER STATISTICS: TELEVISION STATIONS IN THE U.S.	3152
F BROADCAST ANTENNAS AS AFFECTED BY	ANTENNA CURRENT DISTRIBUTION	3491
AN INVASIVE MICROWAVE	ANTENNA FOR LOCALLY-INDUCED HYPER- THERMIA FOR CANCER THERAPY	0438
NOISE AND ITS EFFECT UPON AIRBORNE	ANTENNA NOISE TEMPERATURE AT UHF	3177
EXTREMELY LOW FREQUENCY	ANTENNA OPERATION: TESTS FOR POSSIBLE IMPACT ON FIVE NATURALLY EXP	1765
CAL TISSUE MODELS EXCITED BY A LOOP	ANTENNA	0204
IMPORTANCE OF	ANTENNAE FOR ORIENTATION OF INSECTS IN A NON-UNIFORM MICROWAVE EM	1847
ON NEAR-ZONE GAIN OF PYRAMIDAL HORN	ANTENNAE , BRH/DEP N71-3	3041
FIELDS IN THE CLOSE PROXIMITY OF CB	ANTENNAS	0028
OF RADIATION HAZARDS FROM MICROWAVE	ANTENNAS	1223
NSITY IN NEAR FIELD OF SMALL LINEAR	ANTENNAS	1642
NSITY SURVEYS NEAR FAA TRANSMITTING	ANTENNAS	1953
MUTUAL COUPLING BETWEEN LINEAR	ANTENNAS	2214
SITY ZONES IN THE VICINITY OF RADAR	ANTENNAS	2790
EAR-ZONE CALIBRATIONS FOR MICROWAVE	ANTENNAS + FIELD STRENGTH AND POWER DENSITY METERS	3298
COUPLING BETWEEN SMALL THIN-WIRE	ANTENNAS AND A BIOLOGICAL BODY	2827
SMITTING AND RECEIVING FORMULAS FOR	ANTENNAS AND FIELD INTENSITY METERS	3292
OF THE CHARACTERISTICS OF BROADCAST	ANTENNAS AS AFFECTED BY ANTENNA CURRENT DISTRIBUTION	3491
RESPONSE OF LOW FREQUENCY VERTICAL	ANTENNAS TO HIGH ALTITUDE NUCLEAR ELECTROMAGNETIC PULSE (EMP)	3098
DIATION PROPERTIES OF SIMPLE LINEAR	ANTENNAS WITH APPLICATIONS TO RADIOFREQUENCY HAZARDS AND BROADCAST	0192
ABSOLUTE GAIN MEASUREMENTS FOR HORN	ANTENNAS	3291
FROM MICROWAVE SOURCES WITH MOBILE	ANTENNAS : CERTAIN TECHNICAL PROBLEMS	0882
	ANTI-HIJACKING EFFORTS AND CARDIAC PACEMAKERS--REPORT OF A CLINICA	2969
HIGH FREQUENCY AND ROUTINE HOSPITAL	ANTIBIOTIC THERAPY IN THE MANAGEMENT OF PELVIC INFLAMMATORY DISEAS	1809
D ON MUTAGENESIS IN THE PRESENCE OF	ANTIBIOTICS (IN RUSSIAN)	2001
RIC FIELD ON ANAPHYLACTIC SHOCK AND	ANTIBODY PRODUCTION (IN RUSSIAN)	1937
EFFECT OF ELECTROSTATIC FIELD ON	ANTIBODY SYNTHESIS (IN RUSSIAN)	2229
ELECTRIC FIELD ON THE SECRETION OF	ANTIDIURETIC HORMONE IN RATS	1182
REACTION OF THE LYMPHOID TISSUE TO	ANTIGENIC AND NONANTIGENIC (ALTERNATING MAGNETIC FIELD) STIMULATIO	2039
ENHANCED UPTAKE OF	ANTINEOPLASTIC AGENTS PRODUCED BY MICROWAVE-INDUCED TUMOR HYPERTHE	2364
MUTAGENESIS BY RADIOWAVES IN	ANTIRRHINUM MAJUS L	1377
YPOPHYSEAL PART OF RAT BRAIN IN THE	ANTITUMORAL EFFECT OF A MAGNETIC FIELD	1557
ENT STIMULATION OF THE GROWING DEER	ANTLER	1834
CTROTHERAPY (ELECTROSLEEP) ON STATE	ANXIETY ACCORDING TO SUGGESTIBILITY LEVELS	1236
PERTHERMIA, LOCAL X-IRRADIATION AND	APATHOGENIC CLOSTRIDA	0236
ISTRIBUTION IN PHANTOM HEADS DUE TO	APERTURE AND PLANE WAVE SOURCES	1097
S IN PHANTOM HEADS IRRADIATED BY AN	APERTURE SOURCE	2590
ATING PATTERNS DUE TO A RECTANGULAR	APERTURE SOURCE IN DIRECT CONTACT WITH BILAYERED BIOLOGICAL TISSUE	2947
NG DUE TO A GENERAL ELECTROMAGNETIC	APERTURE SOURCE	3326
HEATING OF SIMULATED HUMAN LIMBS BY	APERTURE SOURCES	2948
MICROWAVE	APEXCARDIOGRAPHY	0383
BONE MARROW	APLASIA (IN RUSSIAN)	0720
EFFECTS OF MICROWAVE RADIATION ON	APLYSIAN GANGLION CELLS	2421
A NONINVASIVE MICROWAVE	APNEA DETECTOR	0381
FFECT OF 10 CM WAVES ON SPECIALIZED	APPETITE FORMS AND ELECTROLYTE LEVELS OF THE BLOOD AND URINE IN RA	1357
DISCRIMINATIVE CONTROL OF	APPETITIVE BEHAVIOR BY PULSED MICROWAVE RADIATION IN RATS	2164
EMISSIONS FROM THE NUVE-LITE DENTAL	APPLIANCE	3624

SHOCK THRESHOLD FIXES	APPLIANCE INSULATION RESISTANCE	3281
RADIOMETRY: ITS POSSIBLE BIOMEDICAL	APPLICATION	0332
ROXIMITY TO MAN AND THEIR PRACTICAL	APPLICATION	1098
ELECTROANESTHESIA FOR MILITARY	APPLICATION	1912
OOD-BRAIN BARRIER BY ELECTRIC FIELD	APPLICATION	2820
AND MICRO- WAVE REWARMING: POSSIBLE	APPLICATION FOR NEONATAL CARDIAC SURGERY	0203
STIMULATION OF DOG THYROID BY LOCAL	APPLICATION OF HIGH INTENSITY MICROWAVES	2824
VOLUTION OF CONCEPTS CONCERNING THE	APPLICATION OF HIGH- FREQUENCY CURRENTS UPON LIVING ORGANISMS	1822
AN	APPLICATION OF INFORMATION THEORY TO THE PHYSICS OF TISSUE DAMAGE	3448
SURVEY OF SELECTED INDUSTRIAL	APPLICATION OF MICROWAVE ENERGY	0613
DIAGNOSTIC	APPLICATION OF MICROWAVE RADIATION IN PULMONARY MEDICINE	2202
	APPLICATION OF NONTHERMAL EFFECTS IN HIGH DIELECTRIC MATERIALS TO	1747
THE	APPLICATION OF PRECISON TRANSMISSON LINES AND PRECISON CONNECTORS	3348
SIMULTANEOUS	APPLICATION OF PULSED HIGH FREQUENCY CURRENTS AND GAMMA-RAYS TO CU	1281
THE	APPLICATION OF SOCIAL AND ECONOMIC VALUES TO SPECTRUM MANAGEMENT:	3163
DESIGN AND	APPLICATION OF SPECIAL MICROWAVE INTERFEROMETERS FOR NON-INVASIVE	2409
LECULAR WEIGHT RNA IN DIOXANE AFTER	APPLICATION OF STATIC ELECTRIC FIELDS	0641
	APPLICATION OF THE LIFSHITZ THEORY TO THE CALCULATION OF VAN DER W	3225
PHY AND MICROWAVE RADIOMETRY: THEIR	APPLICATION TO BIOLOGICAL SYSTEMS UNDER MICROWAVE RADIATION EXPOSU	2291
TRON PARAMAGNETIC RESONANCE AND ITS	APPLICATION TO BIOLOGY	0832
MILLIMETER-WAVE THERMOGRAPHY:	APPLICATION TO BREAST CANCER	0234
GH INTENSITY MICROWAVE IRRADIATION:	APPLICATION TO NEUROCHEMICAL STUDIES	1123
MICROWAVE THERMOGRAPHY:	APPLICATION TO THE DETECTION OF BREAST CANCER, 2:375-385, 1978	0066
ERTIES OF LIQUID CRYSTALS AND THEIR	APPLICATION TO THE MEASUREMENT OF MICROWAVE AND INFRARED RADIATION	3547
ERTIES OF LIQUID CRYSTALS AND THEIR	APPLICATION TO THE MEASUREMENT OF MICROWAVES AND INFRARED RADIATIO	3046
ROBE NEAR A MATERIAL INTERFACE WITH	APPLICATION TO THE PROBING OF FIELDS IN BIOLOGICAL BODIES	0093
EFFECT OF AC ELECTRIC FIELD	APPLICATION UPON HUMAN VISUAL THRESHOLD	2154
DIOWAVES AND THEIR POSSIBLE MEDICAL	APPLICATIONS	0091
M, MULTILAYERED SPHERES, THEORY AND	APPLICATIONS	0263
AVE THERMOGRAPHY: POSSIBLE CLINICAL	APPLICATIONS	0264
MAGNETIC ENERGY COUPLER FOR MEDICAL	APPLICATIONS	0305
EXPOSURE FROM INDUSTRIAL MICROWAVE	APPLICATIONS	0686
C AND TISSUE TEMPERATURE MONITORING	APPLICATIONS	2201
E FIELDS FOR MEDICAL AND BIOLOGICAL	APPLICATIONS	2391
MICROWAVE	APPLICATIONS	2562
UM FLUORIDE FOR MICROWAVE DOSIMETRY	APPLICATIONS	2944
RT: RADIO AND MICROWAVE RADIATIONS,	APPLICATIONS AND POTENTIAL HAZARDS	3051
IOFREQUENCIES AND HYPERFREQUENCIES,	APPLICATIONS AND RISKS (IN FRENCH)	3435
HUMAN ENGINEERING	APPLICATIONS AS RELATED TO PERSONNEL PROTECTION	1569
ROWAVE RADIOMETRY AND ITS POTENTIAL	APPLICATIONS IN BIOLOGY AND MEDICINE: EXPERIMENTAL STUDIES	1614
MICROWAVE POWER	APPLICATIONS IN THE WORLD: PRESENT AND FUTURE	0372
INDUSTRIAL AND SCIENTIFIC	APPLICATIONS OF DOPPLER RADAR	1312
CLINICAL	APPLICATIONS OF ELECTRIC CURRENT REMAIN LARGELY UNEXPLORED	1220
BIOMEDICAL	APPLICATIONS OF EM RADIATION	1300
	APPLICATIONS OF LOCAL EM HYPERTHERMIA IN ONCOLOGY	2803
INSTRUMENTATION AND	APPLICATIONS OF LOW-FREQUENCY MAGNETOTHERAPY	2121
PRELIMINARY INVESTIGATION OF THE	APPLICATIONS OF MAGNETIC RESONANCE ABSORPTION SPECTROSCOPY TO THE	1472
	APPLICATIONS OF MICROWAVE ENERGY TO CONTROL NEMATODES IN SOIL	1914
SURVEY OF SELECTED INDUSTRIAL	APPLICATIONS OF MICROWAVE ENERGY, BRH/DEP 70-10	3029
MEDICAL DIAGNOSTIC	APPLICATIONS OF MICROWAVE RADIATION	1191
SOME SPECIAL	APPLICATIONS OF MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS	2829
	APPLICATIONS OF MICROWAVE THAWING TO THE RECOVERY OF DEEP FROZEN C	0680
AGRICULTURAL MICROWAVE	APPLICATIONS RESEARCH	1193
TIES OF SIMPLE LINEAR ANTENNAS WITH	APPLICATIONS TO RADIOFREQUENCY HAZARDS AND BROADCASTING	0192
DIELECTRIC MATERIALS AND	APPLICATIONS V. TABLES OF DIELECTRIC MATERIALS	3258
Y: PRINCIPLES, METHODS AND CLINICAL	APPLICATIONS	0261
EATED TUMORS BY A SPECIAL MICROWAVE	APPLICATOR	0335
IELD APPLICATOR AND 915 MHZ CONTACT	APPLICATOR	1325
IN HUMANS BY 433.92 MHZ ROUND FIELD	APPLICATOR AND 915 MHZ CONTACT APPLICATOR	1325
DUAL-BEAM TEM	APPLICATOR FOR DIRECT-CONTACT HEATING OF DIELECTRICALLY ENCAPSULAT	2739
IC DIRECT-CONTACT 915-MHZ MICROWAVE	APPLICATOR FOR EFFECTIVE DEEP-TISSUE HEATING IN HUMANS	0049
DERATIONS FOR A DUEL-BEAM MICROWAVE	APPLICATOR FOR HYPERTHERMIA RESEARCH	0156
A MICROWAVE	APPLICATOR FOR IN VIVO RAPID INACTIVATION OF ENZYMES IN THE CENTRA	1034
PERFORMANCE OF A NEW DIRECT CONTACT	APPLICATOR FOR MICROWAVE DIATHERMY	0047
CIRCULARLY POLARIZED DIRECT CONTACT	APPLICATOR FOR MICROWAVE DIATHERMY	2456

TEMPERATURE CONTROLLED CAVITY	APPLICATOR FOR RADIO- FREQUENCY WAVE IRRADIATION OF MAMMALIAN CELL	0256
LOPMENT OF A 915-MHZ DIRECT-CONTACT	APPLICATOR FOR THERAPEUTIC HEATING OF TISSUES	0045
ERMY FREQUENCY FOR A DIRECT CONTACT	APPLICATOR	3284
IELD MAPPING OF MICROWAVE DIATHERMY	APPLICATORS	0033
ODUCED IN MODELS BY THREE MICROWAVE	APPLICATORS AT 433.92 MHZ	0911
THERAPEUTIC POTENTIAL OF CONFORMAL	APPLICATORS FOR INDUCTION OF HYPERTHERMIA	0258
CORNER-REFLECTOR	APPLICATORS FOR MULTILATERAL EXPOSURE OF ANIMALS IN BIOEFFECTS EXP	0386
MICROWAVE	APPLICATORS HELP TREAT CANCER	0121
ARATIVE PERFORMANCE STUDY OF SPACED	APPLICATORS IN MICROWAVE DIATHERMY	1154
ING-PATTERN STUDY OF DIRECT-CONTACT	APPLICATORS IN MICROWAVE DIATHERMY	2742
NEW TYPES OF MICROWAVE DIATHERMY	APPLICATORS--COMPARISON OF PERFORMANCE WITH CONVENTIONAL TYPES	2674
	APPROXIMATE CALCULATION OF SAR FOR PLANEWAVE IRRADIATION OF MAN MO	0242
CTROMAGNETIC RADIATION UTILIZED FOR	AQUATIC VEGETATION CONTROL	3119
THE ELECTRICAL RESISTIVITY OF	AQUEOUS CYTOPLASM	2540
DIELECTRIC PROPERTIES OF	AQUEOUS IONIC SOLUTIONS,PART I	3197
TION PRODUCED BY ELECTRIC FIELDS IN	AQUEOUS SODIUM DEORYRIBONUCLEATE	3211
IC DISPERSION OF DL-ALPHA-VALINE IN	AQUEOUS SOLUTION	2798
IELECTRIC RELAXATION OF COLLAGEN IN	AQUEOUS SOLUTIONS	0031
RELAXATIONS OF EMULSIONS OF SALINE	AQUEOUS SOLUTIONS	0041
QUENCY FIELDS ON MICRO-ORGANISMS IN	AQUEOUS SOLUTIONS	0529
ON THE ENZYME-SUBSTRATE REACTION IN	AQUEOUS SOLUTIONS AND ORGANIC SOLVENTS	2481
MICROWAVE DIELECTRIC RELAXATION OF	AQUEOUS SOLUTIONS OF DEXTRAN	3403
ENCE OF THE MICROWAVE PROPERTIES OF	AQUEOUS SOLUTIONS OF ETHYLENE GLYCOL BETWEEN +15 DEGREE CELSIUS AN	0172
LOSS OF BACILLUS SUBTILIS SPORES IN	AQUEOUS SUSPENSIONS	0960
IONAL MAGNETIC FIELD ON HORNET NEST	ARCHITECTURE	2461
E FROM REPEATED EXPOSURE TO WELDING	ARCS	0705
SYNCOPAL ATTACKS	ARISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN THE VICINITY OF	2004
CLINICAL SYNDROMES	ARISING UNDER THE EFFECT OF VARIOUS RADIO FREQUENCY BANDS	2007
MICROWAVE OVEN SURVEY RESULTS IN	ARKANSAS DURING 1970	0710
ATION HAZARDS PROBLEMS IN THE U. S.	ARMY	1566
WAVE DOSIMETRY WORKSHOP JOINT U. S.	ARMY /GEORGIA INSTITUTE OF TECHNOLOGY	3218
DIGEST OF PAPERS, JOINT U.S.	ARMY /GEORGIA INSTITUTE OF TECHNOLOGY MICROWAVE DOSIMETRY WORKSHOP,	3057
REPORT OF THE	ARPA /TRI-SERVICE MILLIMETER WAVE WORKSHOP	3240
ICAL EFFECTS OF FIELDS OF THE SIEGE	ARRAY	2083
A MULTIPLE-ANIMAL	ARRAY FOR EQUAL POWER DENSITY MICROWAVE IRRADIATION	2127
FEASIBILITY OF FOCUSED MICROWAVE	ARRAY SYSTEM FOR TUMOUR IRRADIATION	0296
L EFFECTS RESEARCH-- WAVEGUIDE SLOT	ARRAY WITH CONSTANT RADIATION INTENSITY	2740
MICROWAVE EXPOSURE	ARRAY : IMPROVED FIELD MEASUREMENTS	2615
LONG-TERM TREATMENT OF HYPERKINETIC	ARRHYTHMIA (IN FRENCH)	3399
AGNETIC FIELDS (ON THE STATE OF THE	ART)	1003
NETIC FIELDS) ON THE DEVELOPMENT OF	ARTEMIA SALINA EGGS (IN FRENCH)	2143
F MAGNETIC FIELDS ON DEVELOPMENT OF	ARTERIAL AND LYMPHATIC COLLATERALS (AN EXPERIMENTAL STUDY)	2810
T MICROWAVE RADIATION ON WEIGHT AND	ARTERIAL PRESSURE DYNAMICS OF ANIMALS IN CHRONIC EXPERIMENTS	1446
MONITORING OF	ARTERIAL WALL MOVEMENT BY MICROWAVE DOPPLER RADAR	0283
FIELD ON OSCILLATING BLOOD FLOW IN	ARTERIES	0920
ARAMETERS IN UNSTEADY BLOOD FLOW IN	ARTERIES IN PRESENCE OF STATIC MAGNETIC FIELD	0017
INHIBITION OF EXPERIMENTAL	ARTHRITIS BY ATHERMIC PULSATING SHORT WAVES IN RATS	1827
ELY LOW FREQUENCY EM FIELDS ON SOIL	ARTHROPODS	1759
FECT OF LONG- TERM EXPOSURE ON SOIL	ARTHROPODS AND OTHER ANIMALS IN NATURE	2160
ELY LOW FREQUENCY EM FIELDS ON SOIL	ARTHROPODS IN NATURE	1766
FFECT OF LONG-TERM EXPOSURE ON SOIL	ARTHROPODS IN NATURE	1769
ELY LOW FREQUENCY EM FIELDS ON SOIL	ARTHROPODS . ONGOING STUDIES AT THE PROJECT SANGUINE WISCONSIN TES	1689
LOW-FREQUENCY EM FIELDS AFFECT SOIL	ARTHROPODS ? ONGOING STUDIES AT THE WISCONSIN TEST FACILITY	1764
REATMENT OF PATIENTS WITH DEFORMING	ARTHROSIS OF THE KNEE JOINTS	0278
ELECTRICAL STIMULATION OF	ARTICULAR CARTILAGE REGENERATION	2238
NEW	ARTIFACT-FREE ELECTRODES FOR RECORDING OF BIOLOGICAL POTENTIALS IN	2743
BIBLIOGRAPHY ON THE HAZARDS OF	ARTIFICIAL CARDIAC PACEMAKER EXPOSURE TO RADIO FREQUENCY FIELDS AN	0527
USE OF	ARTIFICIAL EM FIELDS IN MED	1556
OLOGICAL EFFECT OF NATURAL AND WEAK	ARTIFICIAL MAGNETIC FIELDS (ON THE STATE OF THE ART)	1003
	ARTIFICIAL VISION PROGRESSES	0909
AL STIMULATION ON THE PLASTICITY OF	ARTIFICIALLY EVOKED MOVEMENTS	2861
MIA, AND L-ASCORBIC ACID ON EHRLICH	ASCITES CARCINOMA CELL METABOLISM	0044
VIABILITY STUDIES ON	ASCOPORES AND VEGETATIVE CELLS OF SACCHAROMYCES CEREVISIAE EXPOSED	2355
	ASCORBIC ACID CHANGES IN CULTURED RABBIT LENSES AFTER MICROWAVE IR	1070
	ASCORBIC ACID LEVEL IN THE ORGANS AND DAILY URINE OF ANIMALS EXPOS	1358

HEAT-INVOKED CHANGES IN	ASCORBIC ACID LEVELS IN THE RABBIT EYE	2685
ICROWAVES ON GENETICAL PROCESSES OF	ASPERGILLIUS NIDULANS	1140
EASES WITH FIBRINOLYTIC ACTIVITY IN	ASPERGILLUS ORYZAE (AHLB.) COHN (STRAIN OF MOSCOW STATE UNIVERSITY	2828
	ASSAY OF NOREPINEPHRINE AND DOPAMINE IN THE RAT BRAIN AFTER MICROW	3416
INVESTIGATION OF AN	ASSUMED SYNERGISTIC EFFECT OF RADIO FREQUENCY RADIATION AND IONIZI	0228
FUNCTION OF CHILDREN WITH BRONCHIAL	ASTHMA	0282
THERMAL AND	ATHERMAL EFFECTS OF 2.8 GHZ MICROWAVES ON THREE HUMAN SERUM ENZYME	1815
AN INVESTIGATION OF THE THERMAL AND	ATHERMAL EFFECTS OF MICROWAVE IRRADIATION ON ERYTHROCYTES	0183
THERMAL AND	ATHERMAL EFFECTS OF MICROWAVE RADIATION ON THE ACTIVITY OF GLUCOSE	1982
BITION OF EXPERIMENTAL ARTHRITIS BY	ATHERMIC PULSATING SHORT WAVES IN RATS	1827
ICROWAVE RADIATION AND EXPERIMENTAL	ATHEROSCLEROSIS	0678
OR ONE-WAY TRANSMISSION THROUGH THE	ATMOSPHERE GRAPH	3260
FREQUENCY ELECTRIC PROCESSES IN THE	ATMOSPHERE OF MAN (IN GERMAN)	2624
FREQUENCY ELECTRIC PROCESSES IN THE	ATMOSPHERE OF THE WORLD (IN GERMAN)	2625
POSSIBLE INFLUENCE OF	ATMOSPHERIC ELECTRICITY ON WELL-BEING (IN GERMAN)	1627
	ATMOSPHERIC INFLUENCE ON ORGANIC TISSUE: A THEORETICAL CONSIDERATI	2622
PLE AND PARTIAL CORRELATION BETWEEN	ATMOSPHERIC NOISE LEVELS AT DIFFERENT FREQUENCIES	3176
VESTIGATION OF THE RELATION BETWEEN	ATMOSPHERIC QUALITY AND CRIME RATES IN THE GREATER LOS ANGELES ARE	0639
FUNCTIONAL RELATIONSHIP OF THE	ATMOSPHERIC SPECTRUM OF ELECTRICAL DISCHARGES AND THE BIOLOGICAL A	2724
ULTRA-LOW-FREQUENCY	ATMOSPHERICS	0971
CERNING THE ABSORPTION MECHANISM OF	ATMOSPHERICS IN THE NERVOUS SYSTEM	2126
	ATOMIC AND MOLECULAR MECHANISMS UNDERLYING BIOLOGICAL INTERACTION	2425
ITY IN THE VICINITY OF SHIPPINGPORT	ATOMIC POWER STATION. EPA-520/5-73-005	3063
MEMBRANE-BOUND	ATP SYNTHESIS GENERATED BY AN EXTERNAL ELECTRIC FIELD	0671
ON ON LIVER ADENOSINE TRIPHOSPHATE (	ATP)	0812
CHANGES IN THE CARDIAC SARCOLEMMAL	ATPASE	1841
EFFECTS OF EM FIELDS ON MICROSOMAL	ATPASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION	1080
MEASUREMENT OF	ATTENUATION AND LOSS	3345
TOTAL	ATTENUATION FOR ONE-WAY TRANSMISSION THROUGH THE ATMOSPHERE GRAPH	3260
THE	ATTENUATION FUNCTION FOR BIOLOGICAL FLUIDS AT MILLIMETER AND FAR-I	2195
SUREMENTS OF 1.8--2.7-GHZ MICROWAVE	ATTENUATION IN THE HUMAN TORSO	2538
MICROWAVE	ATTENUATION MEASUREMENTS AND STANDARDS	3571
KV PROJECT STATISTICAL ANALYSIS OF	AUDIBLE NOISE PERFORMANCE OF CONDUCTORS AT 775 KV	3115
RIOUS PULSED FIELDS ON ANIMALS WITH	AUDIOGENIC EPILEPSY	1253
	AUDITORY AND VISUAL SENSATIONS STIMULATED BY LOW-FREQUENCY ELECTRI	2760
CY EM WAVES ON EVOKED POTENTIALS OF	AUDITORY CENTERS IN CONNECTION WITH PROSPECTS FOR USING INADEQUATE	1487
G PULSED MICROWAVE AND CONVENTIONAL	AUDITORY CUES	0239
STUDIES ON THE MICROWAVE-INDUCED	AUDITORY EFFECT	0306
SYSTEM INVOLVEMENT IN THE MICROWAVE	AUDITORY EFFECT	1047
FURTHER STUDIES ON THE MICROWAVE	AUDITORY EFFECT	2823
MICROWAVE	AUDITORY EFFECT--A COMPARISON OF SOME POSSIBLE TRANSDUCTION MECHAN	0839
CAL ANALYSIS OF MICROWAVE-GENERATED	AUDITORY EFFECTS IN ANIMALS AND MAN	2149
HUMAN MAGNETIC	AUDITORY EVOKED FIELDS	0187
AVE HEARING: THE RESPONSE OF SINGLE	AUDITORY NEURONS IN THE CAT TO PULSED MICROWAVE RADIATION	2758
EAR STRUCTURES CONTRIBUTE LITTLE TO	AUDITORY PERCEPTION OF MICROWAVES	0411
THE MICROWAVE	AUDITORY PHENOMENON	0399
MICROWAVE-INDUCED	AUDITORY RESPONSE--COCHLEAR MICROPHONICS	2153
AND THRESHOLDS OF MICROWAVE-INDUCED	AUDITORY SIGNALS	2759
WITH PROSPECTS FOR USING INADEQUATE	AUDITORY STIMULATION (EXPERIMENTAL RESEARCH)	1487
HEARING: EVIDENCE FOR THERMOACOUSIC	AUDITORY STIMULATION BY PULSED MICROWAVES	0477
HUMAN	AUDITORY SYSTEM RESPONSE TO LOWER POWER DENSITY, PULSE MODULATED,	1135
HUMAN	AUDITORY SYSTEM RESPONSE TO MODULATED EM ENERGY	1031
	AUDITORY SYSTEM RESPONSE TO RADIO FREQUENCY ENERGY	1035
DUCED ACOUSTIC EFFECTS IN MAMMALIAN	AUDITORY SYSTEMS AND PHYSICAL MATERIALS	1072
MICROWAVE INTERACTION WITH THE	AUDITORY SYSTEMS OF HUMANS AND CATS	1046
	AUDITORY THRESHOLD OF HUMANS	2324
SINGLE	AUDITORY UNIT RESPONSES TO WEAK, PULSED MICROWAVE RADIATION	2145
EINWIRKUNG ELEKTRISCHER WELLEN	AUF KOLLOIDE	3487
	AUGMENTATION OF BONE REPAIR BY INDUCTIVELY COUPLED EM FIELDS	0644
ORIENTATION OF GOLDFISH (CARASSIUS	AURATUS)	0516
GROWTH OF STAPHYLOCOCCUS	AUREUS IN A NULL MAGNETIC FIELD ENVIRONMENT	2495
DIUM CONTRACTILITY IN PATIENTS WITH	AURICULAR FIBRILLATION (IN RUSSIAN)	1396
INTERFERENCE HAZARDS WITH	AUSTRALIAN NON-COMPETITIVE ('DEMAND') PACEMAKERS	3580
	AUTO-ELECTROTHERAPY IN NERVE LESIONS	3398
AN	AUTOMATED BIO-INSULT RESEARCH FACILITY	2962

OBES AND MEASUREMENT TECHNIQUES FOR	AUTOMATED INTERFERENCE MEASUREMENTS (3 TO 300 MEGAHERTZ) IN SHIELD	3619
AN	AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFR	1717
AN	AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFR	3094
THE USE OF AN	AUTOMATED POPULATION DATA BASE IN POPULATION EXPOSURE CALCULATIONS	1196
CONTACT TEMPERATURE MONITOR FOR THE	AUTOMATIC CONTROL OF MICROWAVE OVENS	0038
ELECTRONIC STIMULATOR FOR THE	AUTOMATIC DETERMINATION OF THE EXCITABILITY CYCLE	2334
STIMULATION WITH	AUTOMATIC RADIOFREQUENCY SYNCHRONIZATION AND PACING IN THE LONG-TE	3399
ROVED SUPPRESSION OF RADIATION FROM	AUTOMOBILES USED BY THE GENERAL PUBLIC	1303
INTENSE MICROWAVE RADIATION FROM AN	AUTOMODULATED RELATIVISTIC ELECTRON BEAM	0956
	AUTONOMIC AND CARDIOVASCULAR DISORDERS DURING CHRONIC EXPOSURE TO	2553
CT OF ELECTRICAL STIMULATION OF THE	AUTONOMIC NERVE SUPPLY ON THE CONCENTRATION OF GUANOSINE 3':5'-CYC	1699
	AUTORADIOGRAPHIC ANALYSIS OF PROTEIN SYNTHESIS AND MEASUREMENTS ON	1328
ORIENTATION OF HUMAN AND	AVIAN ERYTHROCYTES IN RADIO-FREQUENCY FIELDS	1728
OF ELECTROMAGNETIC RADIATION ON AN	AVIAN SPECIES	0140
RIBUTION OF RADAR STATIONS AT CIVIL	AVIATION AIRPORTS	1438
CATARACTS IN	AVIATION ENVIRONMENTS	1796
CATARACTS AND	AVIONIC RADIATIONS	1768
FREE-OPERANT	AVOIDANCE AND ESCAPE FROM MICROWAVE RADIATION	2659
EFFECT OF EM PULSE ON	AVOIDANCE BEHAVIOR AND ELECTROENCEPHALOGRAM OF A RHESUS MONDEY	0999
MICROWAVE INDUCED	AVOIDANCE BEHAVIOR IN THE MOUSE	2167
	AVOIDANCE BY RATS OF ILLUMINATION WITH LOW POWER NONIONIZING EM EN	0914
	AVOIDANCE OF RADIATION HAZARDS FROM MICROWAVE ANTENNAS	1223
A PROBLEM THAT WON'T GO	AWAY	3082
CIRCULAR-APERTURE	AXIAL POWER DENSITY	3182
THE HYPOTHALAMIC/ PITUITARY/THYROID	AXIS	1374
STIMULATION OF THE ADRENAL	AXIS IN THE MICROWAVE EXPOSED RAT	1888
(2MHZ) ON THE PITUTITARY-TESTICULAR	AXIS IN THE WHITE RAT	3400
YCLE AC CURRENT ON THE REGENERATION	AXIS OF DUGESIA	2648
ROLE OF SURFACE DIPOLES ON	AXON MEMBRANE	0659
OWAVE RADIATION ON MICROTUBULES AND	AXONAL TRANSPORT	2064
MICROWAVE THERAPY EXPERIMENTS WITH	B-16 MURINE MELANOMA	1963
X-LINKED	B-LYMPHOCYTE IMMUNE DEFECT IN CBA/N MICE, PART II: STUDIES OF THE	0946
IMMUNE SYSTEM: MODULATION OF T-AND	B-LYMPHOCYTE LEVELS AND CELL- MEDIATED IMMUNOCOMPETENCE BY HYPERTH	0171
GENERATING POTENTIAL OF THE TETANIC	BACILLUS	1998
CT OF LOW-INTENSITY UHF EM WAVES ON	BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUSSIAN)	1633
MICROWAVES ON ESCHERICHIA COLI AND	BACILLUS SUBTILIS	0486
MICROWAVE DIELECTRIC LOSS OF	BACILLUS SUBTILIS SPORES IN AQUEOUS SUSPENSIONS	0960
L AND EM EFFECTS IN THE RESPONSE OF	BACILLUS SUBTILIS SPORES TO MICROWAVE EXPOSURE	2407
MAGNETOTACTIC	BACTERIA	1332
-FREQUENCY DIELECTRIC DISPERSION OF	BACTERIA	1917
ADIO WAVES ON CERTAIN PROPERTIES OF	BACTERIA	2303
IN ASPECTS OF PROTEIN METABOLISM IN	BACTERIA	2304
REACTION CENTERS OF PHOTOSYNTHETIC	BACTERIA	2401
TION FLUORESCENCE OF PHOTOSYNTHETIC	BACTERIA (IN RUSSIAN)	0032
BY ULTRASHORT WAVES WITH RESPECT TO	BACTERIA (IN FRENCH)	2627
YLL EMISSION OF SOME PHOTOSYNTHETIC	BACTERIA AND OF CHLORELLA VULGARIS	0185
EPT. ON THE MICROWAVE-PROTECTION OF	BACTERIA EXPOSED TO GAMMA IRRADIATION	0995
THE EFFECT OF MICROWAVE EXPOSURE ON	BACTERIA MUTATION INDUCTION	2179
EXPOSURE OF	BACTERIA TO 2450 MHZ MICROWAVE RADIATION	0793
EXPOSURE OF	BACTERIA TO 2450 MHZ MICTOWAVE RADIATION	2993
THE REACTION OF LUMINOUS	BACTERIA TO MICROWAVE RADIATION EXPOSURES IN THE FREQUENCY RANGE O	3220
E ORGANISM AND IN THE PROPERTIES OF	BACTERIA , VIRUSES, AND SIMPLE ANIMALS UNDER THE INFLUENCE OF LOW-I	2261
ACTION OF MICROWAVES ON	BACTERIA , YEAST, AND DROSPHILA	3401
INHIBITION OF	BACTERIAL CELL GROWTH BY 136 GC MICROWAVES	0657
NISMS III. CONDUCTIVITY OF ISOLATED	BACTERIAL CELL WALLS	1915
VITY OF CERTAIN GENETIC ELEMENTS OF	BACTERIAL CELLS	2302
VE OVEN IRRADIATION AS A METHOD FOR	BACTERIAL DECONTAMINATION IN A CLINICAL MICROBIOLOGY LABORATORY	2786
OF EMR OF MILLIMETRIC WAVELENGTH ON	BACTERIAL GROWTH	1650
TS ON RADICAL PAIR INTERMEDIATES IN	BACTERIAL PHOTOSYNTHESIS	2583
HANISM OF MAGNETIC FIELD EFFECTS IN	BACTERIAL PHOTOSYNTHESIS	0151
SED ELECTRICAL DISCHARGES ON BINARY	BACTERIAL SUSPENSION (IN RUSSIAN)	2725
USE OF A	BACTERIOPHAGE SYSTEM FOR INVESTIGATING THE BIOLOGICAL EFFECTS OF L	0790
ELECTRIC FIELD EFFECTS IN	BACTERIORHODOPSIN	2450
IDEMIOLOGICAL STUDY OF MONGOLISM IN	BALTIMORE	2523
N'S SYNDROME--RESULTS OF THE SECOND	BALTIMORE CASE-CONTROL STUDY	1950

RADIO HAZARDS IN THE M.F./H.F.	BAND	0713
BIOLOGIC MATERIALS IN THE MICROWAVE	BAND	0883
IC INFLUENCE OF MICROWAVES OF 10 CM	BAND	0989
EI.LITE IN THE 620-790 MHZ FREQUENCY	BAND	2323
OF THE HUMAN BODY FOR HF (2-30 MHZ)	BAND (INITIAL RESULTS)	2142
ER TRANSMITTERS OPERATING IN THE HF	BAND (SUMMARY)	3059
RGANISMS TO EXPOSURE TO MILLIMETER-	BAND ELECTROMAGNETIC WAVES	3272
SEARCH ON BIOLOGICAL EFFECTS OF VLF	BAND EMR	0955
VES AT VARIOUS REGIONS OF THE RADIO	BAND ON SOME FUNCTIONAL INDICES IN WORKERS	1482
OLOGICAL HAZARDS FROM HIGH-POWER HF	BAND TRANSMITTERS	1527
A MINIATURE HIGH-Q	BANDPASS FILTER EMPLOYING DIELECTRIC RESONATORS	3353
E EFFECT OF VARIOUS RADIO FREQUENCY	BANDS	2007
IN THE MILLIMETER AND SUBMILLIMETER	BANDS	2343
THE REGION OF AMIDE I AND AMIDE II	BANDS UNDER MICROWAVE IRRADIATION (IN RUSSIAN)	1794
ICROWAVE EFFECTS ON THE BLOOD-BRAIN	BARRIER	0360
IC OBSERVATIONS ON THE BLOOD- BRAIN	BARRIER AFTER MICROWAVE IRRADIATION	2678
ALTERATIONS IN HAMSTER BLOOD-BRAIN	BARRIER AFTER MICROWAVE IRRADIATION	2787
PERMEABILIZATION OF THE BLOOD-BRAIN	BARRIER BY ELECTRIC FIELD APPLICATION	2820
	BARRIER MECHANISMS OF THE NEUROGLIA IN THE PROCESS OF INHIBITION U	1990
STUDIES ON BLOOD BRAIN	BARRIER PERMEABILITY AFTER MICROWAVE RADIATION	0021
OWAVE ALTERATION OF THE BLOOD-BRAIN	BARRIER SYSTEM OF RATS	2015
PERMEABILITY OF THE BLOOD-BRAIN	BARRIER TO MANNITOL IN THE RAT FOLLOWING 2450 MHZ MICROWAVE IRRADI	0313
BLOOD BRAIN	BARRIER WORKSHOP	0217
AVE IRRADIATION AND THE BLOOD-BRAIN	BARRIER	0398
N THE PERMEABILITY OF HISTO-HEMATIC	BARRIERS	1489
N THE PERMEABILITY OF HISTO-HEMATIC	BARRIERS	1501
ES IN PERMEABILITY OF HISTO-HEMATIC	BARRIERS UNDER THE EFFECT OF MICROWAVES	1992
L MICROWAVE RADIATION ON BEHAVIORAL	BASELINES	1094
ING HAZARDOUS EM FIELDS: SCIENTIFIC	BASIS AND PRACTICAL CONSIDERATIONS	0501
INVOLVING RADIOWAVE EMITTERS ON THE	BASIS OF DYNAMIC STUDIES ON THE NATURE OF RADIATION DURING A WORK	1437
ETERS OF THIN-WALLED SPHERES ON THE	BASIS OF EMR SCATTER DATA	1475
THE BIOPHYSICAL	BASIS OF PHYSICAL MEDICINE	3325
A BOLUSING TECHNIQUE FOR	BATCH MICROWAVE IRRADIATION OF TUMORS IN THE FAR FIELD	2453
THE RESISTANCE OF	BATS TO JAMMING	3504
ALTERATION OF	BBB : A STUDY TO EXPLORE NEW THERAPY FOR CNS LEUKEMIA	2326
ES ON THE CENTRAL NERVOUS SYSTEM OF	BEAGLES	2510
AUTOMODULATED RELATIVISTIC ELECTRON	BEAM	0956
UVINE SERUM ALBUMIN USING A CROSSED	BEAM EXPOSURE/DETECTION SYSTEM	3555
AND SAFETY PROCEDURES FOR ALL OPEN	BEAM MICROWAVE DEVICES	2521
HALL MOBILITY MEASUREMENTS ON HEAVY	BEEF HEART MITOCHONDRIA	0684
UENCY IRRADIATION ON THE ENZYMES OF	BEEF MUSCLE TISSUE	2561
THE RESPONSE OF	BEES TO ELECTRIC FIELDS	0291
EFFECT OF MICROWAVES ON THE TOBACCO	BEETLE	2887
TIPS ON HOW TO	BEHAVE NEAR HIGH VOLTAGE POWER LINES	3566
NERGISTIC EFFECTS ON FIXED INTERVAL	BEHAVIOR	0103
RADIATION ON THE NERVOUS SYSTEM AND	BEHAVIOR	0895
MICROWAVES AND	BEHAVIOR	0924
INTRODUCTION: EFFECTS ON	BEHAVIOR	1091
OPERANT	BEHAVIOR AND COLONIC TEMPERATURE OF SQUIRREL MONKEYS (SAIMIRI SCIU	2539
EFFECTS OF WEAK ELECTRIC FIELDS ON	BEHAVIOR AND EEG OF LABORATORY ANIMALS	2418
EFFECT OF EM PULSE ON AVOIDANCE	BEHAVIOR AND ELECTROENCEPHALOGRAM OF A RHESUS MONDEY	0999
ANIMAL	BEHAVIOR AND EM ENERGY WAVES	0709
EFFECTS OF MICROWAVE EXPOSURE ON	BEHAVIOR AND RELATED PHENOMENA	0733
E EFFECTS OF MICROWAVE RADIATION ON	BEHAVIOR AND TEMPERATURE IN RHESUS MONKEYS	2158
DISCRIMINATIVE STIMULUS CONTROL OF	BEHAVIOR BY LOW LEVELS OF PULSED MICROWAVE RADIATION	2161
ISCRIMINATIVE CONTROL OF APPETITIVE	BEHAVIOR BY PULSED MICROWAVE RADIATION IN RATS	2164
T TEMPERATURE INTERACT TO ALTER RAT	BEHAVIOR FOLLOWING OVERNIGHT EXPOSURE	0417
ELECTRIC SIGNALS AND SCHOOLING	BEHAVIOR IN A WEAKLY ELECTRIC FISH, MARCUSENIUS CYPRINOIDES L. (MO	1176
PON THE MECHANISMS OF GOAL-ORIENTED	BEHAVIOR IN ANIMALS	2082
IELDS UPON GROWTH, DEVELOPMENT, AND	BEHAVIOR IN DOMESTIC BIRDS, PHASE I: CONTINUOUS WAVE	1786
REQUENCY ELECTRIC FIELDS ON EEG AND	BEHAVIOR IN MACACA NEMESTRINA	0831
DISRUPTION OF	BEHAVIOR IN MAMMALS OF THREE DIFFERENT SIZES EXPOSED TO MICROWAVES	0225
ROWAVES: EFFECT ON THERMOREGULATORY	BEHAVIOR IN RATS	0358
W MICROWAVE RADIATION ON AN OPERANT	BEHAVIOR IN RATS	1310
ROWAVE RADIATION ON DEVELOPMENT AND	BEHAVIOR IN RATS	2700

RACTIVITY AND DISRUPTION OF OPERANT	BEHAVIOR IN RATS AFTER MULTIPLE EXPOSURES TO MICROWAVE RADIATION	2763
MATURATION AND OPEN-FIELD	BEHAVIOR IN RATS EXPOSED PRENATALLY TO AN ELF LOW-INTENSITY ROTATI	0787
MICROWAVE INDUCED AVOIDANCE	BEHAVIOR IN THE MOUSE	2167
LOW FREQUENCY (ELF) EMR ON OPERANT	BEHAVIOR IN THE PIGEON AND THE RAT	1757
E MAGNETIC FIELD ON THE DIRECTIONAL	BEHAVIOR OF GOLDFISH	1227
BIOLOGICAL DIELECTROPHORESIS: THE	BEHAVIOR OF LONE CELLS IN A NONUNIFORM ELECTRIC FIELD	2232
CTRIC FIELDS ON SCHEDULE CONTROLLED	BEHAVIOR OF MONKEYS	2162
CTRIC FIELDS ON NEUROPHYSIOLOGY AND	BEHAVIOR OF MONKEYS, PHASE I: CONTINUOUS WAVE	1373
MICROWAVE	BEHAVIOR OF PARTIALLY MAGNETIZED FERRITES	3355
FIXED INTERVAL	BEHAVIOR OF RATS EXPOSED TO MICROWAVES AT LOW POWER DENSITIES	2764
OPERANT	BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUE	0764
OPERANT	BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUE	0765
OPERANT	BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUE	0766
OPERANT	BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUE	3274
ORIENTATION	BEHAVIOR OF RING-BILLED GULL CHICKS (LARUS DELAWARENSIS) EXPOSED T	1762
TYPES OF MICROWAVE FIELDS UPON THE	BEHAVIOR OF THE WHITE RAT	1139
THE	BEHAVIOR OF TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELD	2086
LOCOMOTOR ACTIVITY AND AGONISTIC	BEHAVIOR OF TWO STRAINS OF MICE IN A 60-HERTZ EM FIELD	2038
THE	BEHAVIOR OF UNICELLULAR ORGANISMS IN AN EM FIELD	1729
UPON THE CENTRAL NERVOUS SYSTEM AND	BEHAVIOR REACTIONS	0277
DISTURBANCE OF GOAL-SEEKING	BEHAVIOR UNDER ACTION OF EM FIELD	2313
F NONIONIZING RADIATION ON THE CNS,	BEHAVIOR , AND BLOOD: A PROGRESS REPORT	0257
OSTEROMEDIAL HYPOTHALAMUS AND PAIN,	BEHAVIOR , WITH SPECIAL REFERENCE TO ENDOCRINOLOGICAL FINDINGS	3419
S ON HUMAN ELECTROENCEPHALOGRAM AND	BEHAVIOR	0132
NEURAL FUNCTION AND	BEHAVIOR : DEFINING THE RELATIONSHIP	1095
ACUPUNCTURE ANALGESIA IN MONKEYS: A	BEHAVIORAL AND NEUROPHYSIOLOGICAL ASSESSMENT	2362
MICROWAVE IRRADIATION,	BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS	2347
	BEHAVIORAL AND THERMAL EFFECTS OF MICROWAVE RADIATION AT RESONANT	2761
OF LOW-LEVEL MICROWAVE RADIATION ON	BEHAVIORAL BASELINES	1094
	BEHAVIORAL BIOPHYSICS	1042
	BEHAVIORAL CHANGES IN ADULT RATS EXPOSED TO ELF MAGNETIC FIELDS	0785
	BEHAVIORAL CHANGES OF RATS EXPOSED TO MICROWAVE RADIATION	1848
EPHALIC TEGMENTUM: NEUROLOGICAL AND	BEHAVIORAL CONSIDERATIONS	0835
MICROWAVE STUDY SHOWS NO	BEHAVIORAL EFFECTS	1287
PHYSIOLOGICAL AND	BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES	0414
PHYSIOLOGICAL AND	BEHAVIORAL EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION IN RAT	2165
	BEHAVIORAL EFFECTS OF ELECTROMAGNETIC ENERGY	2658
	BEHAVIORAL EFFECTS OF LOW INTENSITY UHF RADIATION	1542
ORMANCE INFORMATION RELEVANT TO THE	BEHAVIORAL EFFECTS OF LOW LEVEL MICROWAVE EXPOSURE	2576
	BEHAVIORAL EFFECTS OF LOW LEVEL MICROWAVE IRRADIATION IN THE CLOSE	1541
NERVOUS AND	BEHAVIORAL EFFECTS OF MICROWAVE RADIATION IN HUMANS	0568
NERVOUS AND	BEHAVIORAL EFFECTS OF MICROWAVE RADIATION IN HUMANS	3234
WORK SESSION ON NERVOUS SYSTEM AND	BEHAVIORAL EFFECTS OF NONIONIZING EM RADIATIONS	1391
SOME	BEHAVIORAL EFFECTS OF PRE- AND NEO-NATAL EXPOSURE TO AN ELF ROTATI	1004
	BEHAVIORAL EFFECTS OF PULSED MICROWAVE RADIATION	1096
	BEHAVIORAL EFFECTS OF RESONANT EM POWER ABSORPTION IN RATS	2166
	BEHAVIORAL EFFECTS OF STIMULATION BY UHF RADIO FIELDS	0471
	BEHAVIORAL EFFECTS OF STRONG 60-HZ ELECTRIC FIELDS IN RATS	0373
	BEHAVIORAL PROTOCOLS AND PRELIMINARY OBSERVATIONS OF CHICKS EXPOSE	2661
YNAMICS OF CHANGES IN AN ORGANISM'S	BEHAVIORAL REACTIONS INDUCED BY MICROWAVE RADIATION	0433
	BEHAVIORAL SENSITIVITY TO MICROWAVE IRRADIATION	0514
THERMOGRAPHIC AND	BEHAVIORAL STUDIES OF RATS IN THE NEAR FIELD OF 918-MHZ RADIATIONS	2818
	BEHAVIORAL SUPPRESSION BY 383-MHZ RADIATION	1849
DOSE-RESPONSE RELATIONSHIPS ON TWO	BEHAVIORAL TASKS	1092
	BEHAVIORAL , ETHOLOGICAL, AND TERATOLOGICAL EFFECTS OF ELECTROMAGNE	0140
ROWAVE-INDUCED PERTURBATIONS OF THE	BEHAVIOUR BY THE OPEN-FIELD TEST INTO THE WHITE RAT	2159
ATTEMPTS TO INFLUENCE THE FEEDING	BEHAVIOUR OF BROWN RATS USING ELECTROMAGNETISM	0348
MECHANISM OF CHARACTERISTIC	BEHAVIOUR OF CELLS IN AN ALTERNATING ELECTRIC FIELD	0563
CTRIC FIELDS ON THE LIVING CELL, I.	BEHAVIOUR OF HUMAN ERYTHROCYTES IN HIGH-FREQUENCY ELECTRIC FIELDS	1692
DIELECTRIC	BEHAVIOUR OF METHYL PALMITATE IN THE MICROWAVE REGION	3482
DIELECTRIC	BEHAVIOUR OF METHYL PALMITATE:EVIDENCE OF RESONANCE ABSORPTION	3483
C FIELDS AFFECT SCHEDULE-CONTROLLED	BEHAVIOUR OF MONKEYS	1169
A COMPARISON OF THE DIELECTRIC	BEHAVIOUR OF PURE WATER AND HUMAN BLOOD AT MICROWAVE FREQUENCIES	0464
THE DIELECTRIC	BEHAVIOUR OF SOME TYPES OF HUMAN TISSUES AT MICROWAVE FREQUENCIES	0463
	BEHAVIOUR OF THE CILIATE, PARAMECIUM BURSARIA FOCKE, IN EM FIELD	1913

A MICROWAVE OVEN FOR	BEHAVIOURAL AND BIOLOGICAL RESEARCH: ELECTRICAL AND STRUCTURAL MOD	1713
WORK SESSION ON NERVOUS SYSTEM AND	BEHAVORIAL EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIATIONS	3584
POSSIBLE MECHANISMS	BEHIND THE BIOEFFECTS OF LOW FRE- QUENCY ELECTROMAGNETIC FIELDS	0441
ECTRIC AND MAGNETIC FIELDS ON HUMAN	BEINGS	1587
ICAL ELECTRO-MAGNETIC INTERFERENCE (	BEMI)	0243
	BENEFICIAL AND HARMFUL ACCELERATED GROWTH INDUCED BY THE ACTION OF	1048
DYNAMIC THERAPY FOR HERPES SIMPLEX:	BENEFITS AND POTENTIAL RISKS	3130
DIE	BESTIMMUNG DER DIELEKTRISCHEN UND MAGNETISCHEN EIGENSHAFTEN INHOMO	3486
ONNEL WORKING NEAR PROJECT SANGUINE	BETA TEST FACILITY FROM 1971 TO 1972	1668
	BIBLIOGRAPHIC STUDY ON THE ELECTRIC AND MAGNETIC FIELD EFFECT ON L	1586
TELEVISION RECEIVERS--AN ANNOTATED	BIBLIOGRAPHY	0562
FFECTS OF RADIO FREQUENCY RADIATION	BIBLIOGRAPHY	0608
	BIBLIOGRAPHY	1367
ISM: ITS EFFECT ON LIVING MATTER--A	BIBLIOGRAPHY	2113
ECTS OF ELECTROMAGNETIC RADIATION A	BIBLIOGRAPHY	2964
TS OF HIGH VOLTAGE ELECTRIC FIELDS:	BIBLIOGRAPHY AND SURVEY OF ONGOING WORK, 1975	2252
AN ANNOTATED	BIBLIOGRAPHY OF REGULATIONS, STANDARDS AND GUIDES FOR MICROWAVES,	0597
	BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLIN	0483
EIGHTH SUPPLEMENT TO	BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLIN	0484
SEVENTH SUPPLEMENT TO	BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLIN	3144
SIXTH SUPPLEMENT TO:	BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLIN	3622
	BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA AND CLINICAL MANIFES	3594
	BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA AND CLINICAL MANIFES	3595
	BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF ELECTRIC FIELDS	3157
	BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF RADIO-FREQUENCY EM FIELDS (W	2557
	BIBLIOGRAPHY ON SAFE HUMAN THRESHOLDS TO EXTRA-LOW-FREQUENCY ELECT	0510
	BIBLIOGRAPHY ON THE HAZARDS OF ARTIFICIAL CARDIAC PACEMAKER EXPOSU	0527
FRE- QUENCY COMMUNICATION SYSTEM (A	BIBLIOGRAPHY W/ABSTRACTS)	0331
BIOLOGICAL EFFECTS OF MICROWAVES (A	BIBLIOGRAPHY WITH ABSTRACTS)	2251
	BILATERAL LENTICULAR OPACITIES OCCURRING IN A TECHNICIAN OPERATING	0600
RTURE SOURCE IN DIRECT CONTACT WITH	BILAYERED BIOLOGICAL TISSUE	2947
	BILOLOGICAL EFFECTS OF MICROWAVES: FUTURE RESEARCH DIRECTIONS	3548
CTIONAL ACTIVITY AND 131 I-THYROXIN	BINDING BY TISSUES OF ALBINO RAT ORGANS	3432
MICROWAVE EFFECTS ON THE TOTAL IRON	BINDING CAPACITY OF PREGNANT RATS	2448
CALCIUM	BINDING IN CEREBRAL TISSUE	2679
SENSITIVITY OF CALCIUM	BINDING IN CEREBRAL TISSUE TO WEAK ENVIRONMENTAL ELECTRIC FIELDS O	0819
CATION	BINDING MODELS FOR THE INTERACTION OF MEMBRANES WITH EM FIELDS	2423
. PSEUDOSUBSTRATE	BINDING TO RIBONUCLEASE DURING EXPOSURE TO MICROWAVE RADIATION AT	3382
VE POWER CONTROLLER FOR A RADIATION	BIO-EFFECTS EXPOSURE FACILITY	3384
RADIATION	BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1967	3574
RADIATION	BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1968	3575
RADIATION	BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1970	3495
RADIATION	BIO-EFFECTS SUMMARY REPT., JAN.-DEC. 1968	0599
AN AUTOMATED	BIO-INSULT RESEARCH FACILITY	2962
STUDIES ON THE	BIO-MEDICAL EFFECTS OF MICROWAVE RADIATION: PAST, PRESENT AND FUTU	2438
URSI AND	BIO-RADIO SCIENCE: A HELSINKI SYMPOSIUM	3397
SOME	BIOCHEMICAL AND CYTOLOGICAL OBSERVATIONS ON THE EFFECT OF NONIONIZ	2331
	BIOCHEMICAL AND NEUROENDOCRINE ASPECTS OF EXPOSURE TO MICROWAVES	1057
	BIOCHEMICAL ASPECTS OF THE BIOLOGICAL EFFECT OF A LOW- FREQUENCY P	3245
	BIOCHEMICAL ASPECTS OF THE BIOLOGICAL EFFECT OF A LOW-FREQUENCY PU	0443
SIGNIFICANCE OF SOME	BIOCHEMICAL BLOOD INDICES IN EARLY DETECTION OF LESIONS DUE TO PUL	2047
OXYGEN AND	BIOCHEMICAL CHANGES FOLLOWING ELF EXPOSURE	2636
CLINICO-MORPHOLOGICAL AND	BIOCHEMICAL CHANGES IN EXPERIMENTAL MICROWAVE CATARACTS	1867
	BIOCHEMICAL CHANGES IN THE BRAIN OF RATS EXPOSED TO MICROWAVES OF	1141
SOME	BIOCHEMICAL CHANGES IN WORKING EXPOSED TO CENTIMETER WAVES	3478
THE PROBLEM OF CORRELATING	BIOCHEMICAL DATA TO THE CONDITION OF THE NEUROMUSCULAR APPARATUS O	1491
THE CAUSE OF CANCER:	BIOCHEMICAL DEFECTS IN THE CANCER CELL DEMONSTRATED BY THE EFFECTS	0079
ECTRICAL STRESS, I. PHYSIOLOGICAL &	BIOCHEMICAL EFFECTS	0199
PHYSIOLOGICAL AND	BIOCHEMICAL PARAMETERS FOLLOWING TWO LONG- TERM EXPOSURES OF MICE	2708
CAPILLARY BED, PARENCHYMA, AND SOME	BIOCHEMICAL PROPERTIES OF RAT TESTES	1502
SERVATION AND MICROWAVE EXPOSURE OF	BIOCHEMICAL SAMPLES	0871
SERVATION AND MICROWAVE EXPOSURE OF	BIOCHEMICAL SAMPLES	3383
TER ELECTROMAGNETIC OSCILLATIONS ON	BIOCHEMILUMINESCENCE OF THE CNS AND LIVER TISSUES (IN UKR)	0071
2: EFFECT OF THE RADIATION ON SKIN	BIOCHEMISTRY	0452
MICROWAVES ON SKIN RESPIRATION AND	BIOCHEMISTRY	0453

FIELDS ON GROWTH, DEVELOPMENT, AND	BIOCHEMISTRY OF THE CHICK EMBRYO, GALLUS DOMESTICUS	0099
EXTRA LOW FREQUENCY (ELF) EMR AS A	BIOCOMMUNICATIONS MEDIUM: A PROTEIN TRANSRECEIVER SYSTEM	1670
ARATIVE BIOLOGY IN ASSESSMENT OF EM	BIOEFFECTS	0823
LOGICAL INVESTIGATIONS OF MICROWAVE	BIOEFFECTS AND CHANGES IN ELEMENTARY EXCITABLE STRUCTURES ON EXPOS	1461
MICROWAVE	BIOEFFECTS AND RADIATION SAFETY., M.A. STUCHLY, EDITOR	2920
MULTILATERAL EXPOSURE OF ANIMALS IN	BIOEFFECTS EXPERIMENTS	0386
	BIOEFFECTS IN RESPONSE TO A LOW INTENSITY PULSED 9,400 MHZ MICROWA	0415
ROSES AND CABBAGES: MICROWAVE	BIOEFFECTS LITERATURE IN 1978	0198
	BIOEFFECTS OF ELECTROMAGNETIC WAVES	0027
	BIOEFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS	0149
POSSIBLE MECHANISMS BEHIND THE	BIOEFFECTS OF LOW FRE- QUENCY ELECTROMAGNETIC FIELDS	0441
BRH UPDATE ON	BIOEFFECTS OF MICROWAVE RADIATION	0074
	BIOEFFECTS OF NON-IONIZING ELECTRONIC PRODUCT RADIATION	3183
LLED EXPOSURE CHAMBER FOR MICROWAVE	BIOEFFECTS RESEARCH	1283
G EM WAVE IRRADIATION CONDITIONS IN	BIOEFFECTS RESEARCH	1330
INTERNATIONAL TRENDS IN EMR	BIOEFFECTS RESEARCH	2789
NIONIZING ELECTROMAGNETIC RADIATION	BIOEFFECTS RESEARCH AND RELATED OCCUPATIONAL HEALTH ASPECTS	3392
MICROWAVE	BIOEFFECTS RESEARCH: HISTORICAL PERSPECTIVES ON PRODUCTIVE APPROAC	0186
MICROWAVE	BIOEFFECTS RESEARCH: HISTORICAL PERSPECTIVES ON PRODUCTIVE APPROAC	0275
A REVIEW OF SELECTED	BIOEFFECTS THRESHOLDS FOR VARIOUS SPECTRAL RANGES OF LIGHT	0653
ENGLISH SUMMARIES OF MICROWAVE	BIOEFFECTS WORK	3007
MICROWAVE	BIOEFFECTS . CURRENT STATUS AND CONCEPTS	2133
STUDY OF	BIOELECTRIC ACTIVITY OF NEUROMUSCULAR AND SYM- PATHETIC SYSTEMS DU	0426
ECT OF MICROWAVES AND SOME DRUGS ON	BIOELECTRIC ACTIVITY OF THE RABBIT CENTRAL NERVOUS SYSTEM	1946
	BIOELECTRIC CONTROL OF CILIARY ACTIVITY	1919
THE ABC'S OF	BIOELECTRIC MEASUREMENTS	1337
LOW-LEVEL MICROWAVE IRRADIATION ON	BIOELECTRIC MUSCLE CELL PROPERTIES AND ON WATER PERMEABILITY AND I	0874
S OF UNIFORM MAGNETIC FIELDS ON THE	BIOELECTRIC RESPONSE OF THE ALGA NITELLA CLAVATA	1583
ENHANCEMENT OF CHANGES IN THE BRAIN	BIOELECTRICAL ACTIVITY IN A CONSTANT MAGNETIC FIELD	0191
ENHANCEMENT OF CHANGES IN	BIOELECTRICAL ACTIVITY OF THE BRAIN IN A CONSTANT MAGNETIC FIELD U	0281
THE	BIOLOGIC ACTION AND HYGIENIC SIGNIFICANCE OF EM FIELDS OF SUPERHIG	0889
	BIOLOGIC AND PATHOPHYSIOLOGIC EFFECTS OF EXPOSURE TO MICROWAVES	0112
	BIOLOGIC AND PATHOPHYSIOLOGIC EFFECTS OF EXPOSURE TO MICROWAVES OR	1596
LD MEASUREMENTS, ABSORBED DOSE, AND	BIOLOGIC DOSIMETRY OF MICROWAVES	1101
D PATTERNS IN TISSUE AND ASSOCIATED	BIOLOGIC EFFECTS	1261
N OF THE INTERNATIONAL SYMPOSIUM ON	BIOLOGIC EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADIATION--WARSAW	1688
INTERNATIONAL SYMPOSIUM ON	BIOLOGIC EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADIATION	3069
	BIOLOGIC EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH P	2457
	BIOLOGIC EFFECTS OF ELECTROMAGNETIC FIELDS (IN GERMAN)	0320
SOME CURRENT RESEARCH TRENDS ON THE	BIOLOGIC EFFECTS OF ELECTROMAGNETIC WAVES. (IN LZE)	0334
	BIOLOGIC EFFECTS OF MAGNETIC FIELDS. (IN CZE)	0326
	BIOLOGIC EFFECTS OF MICROWAVE EXPOSURE	0829
SEARCH CONDUCTED IN THE USSR ON THE	BIOLOGIC EFFECTS OF MICROWAVES	1273
THE CHARACTERISTICS OF	BIOLOGIC EFFECTS OF MICROWAVES COMBINED WITH THE ACTION OF SOFT X-	1277
DIFFERENTIAL	BIOLOGIC EFFECTS OF PULSED AND CONTINUOUS EM FIELDS AND MECHANISMS	1052
	BIOLOGIC EFFECTS OF RADIATION IN THE 30-300 MHZ RANGE	1276
RE RESEARCH DIRECTIONS AND NEEDS IN	BIOLOGIC EM RADIATION RESEARCH	1105
THE COMPLEX DIELECTRIC CONSTANT OF	BIOLOGIC MATERIALS IN THE MICROWAVE BAND	0883
THE ELECTRIC FIELD IN THE VOLUME OF	BIOLOGIC MATTER DURING THAWING IN UHF FIELD. (IN RUSSIAN)	0276
R THE INTERACTION OF EM FIELDS WITH	BIOLOGIC MEMBRANES	1064
LLIMETER ELECTRO- MAGNETIC WAVES ON	BIOLOGIC OBJECTS (IN RUSSIAN)	0294
MICROWAVES--A TOOL IN MEDICAL AND	BIOLOGIC RESEARCH	0893
MICROWAVE FIELD QUANTIFICATION FOR	BIOLOGIC STUDIES	0881
ELECTRIC FIELD EFFECTS IN SELECTED	BIOLOGIC SYSTEMS	1053
S OF NONIONIZING EMR ON SINGLE-CELL	BIOLOGIC SYSTEMS	1086
TER-WAVE ELECTROMAGNETIC FIELDS AND	BIOLOGIC SYSTEMS: MOLECULAR MECHANISMS	3269
THE SANGUINE	BIOLOGICAL-ECOLOGICAL RESEARCH PROGRAM	0129
ETER- AND SUBMILLIMETER-BAND EMR ON	BIOLOGICALLY ACTIVE COMPOUNDS	2307
PHYSICAL PROPERTIES OF	BIOLOGICALLY ACTIVE LOW-FREQUENCY EM FIELDS (IN GERMAN)	2710
VARIATIONS BETWEEN MEASURED AND	BIOLOGICALLY EFFECTIVE MICROWAVE DIATHERMY DOSAGE	3368
EQUENCY FIELDS AS TRANSLATED FROM O	BIOLOGICHESKOM DEYSTVII ELEKTROMAGNITNYKH POLEY RADIOCHASTOT, NO	3126
OMOGENER DIELEKTRIKEN, INSHESONDERE	BIOLOGISCHER KORPER, IM DEZIMETERWELLENBEREICH	3486
DIE DIELEKTRISCHEN EIGENSCHAFTEN	BIOLOGISCHER SUBSTANZEN IM DEZIMETERWELLEN-BEREICH	3485
MICROWAVES FOR	BIOLOGISTS , MICROWAVES UPDATED	2834
IC RESONANCE AND ITS APPLICATION TO	BIOLOGY	0832

OF EM FIELDS BELOW 30 MHZ ON ANIMAL	BIOLOGY	1394
ENVIRONMENTAL	BIOLOGY (TABLE 31)	3440
Y AND ITS POTENTIAL APPLICATIONS IN	BIOLOGY AND MEDICINE: EXPERIMENTAL STUDIES	1614
COMPARATIVE	BIOLOGY IN ASSESSMENT OF EM BIOEFFECTS	0823
ICROWAVE RADIATION IN DEVELOPMENTAL	BIOLOGY RESEARCH	2877
NEGATIVE INFLUENCE OF	BIOMAGNETIC EFFECTS ON THE ORGANISM OF PUPILS IN LABORATORIES. (IN	0342
	BIOMAGNETIC EFFECTS: A CONSIDERATION IN FUSION REACTOR DEVELOPMENT	1638
	BIOMAGNETIC HYPOTHESES	1902
	BIOMAGNETIC STRESSOR EFFECTS IN PRIMATES	2108
PERIMENTAL DEVELOPMENT OF SIMULATED	BIOMATERIALS FOR DOSIMETRY STUDIES OF HAZARDOUS MICROWAVE RADIATIO	0858
POSSIBLE MECHANISMS FOR THE	BIOMOLECULAR ABSORPTION OF MICROWAVE RADIATION WITH FUNCTIONAL IMP	1022
TIES AND MEASUREMENT TECHNIQUES FOR	BIOMOLECULES	1735
IC PROPERTIES OF LYSOZYME AND OTHER	BIOMOLECULES	1738
T VIA INTRACELLULAR TEMPERATURE AND	BIOPHYSICAL ALTERATIONS	0076
INTRACELLULAR HYPERTHERMIA: A	BIOPHYSICAL APPROACH TO CANCER TREATMENT VIA INTRACELLULAR TEMPERA	0076
	BIOPHYSICAL ASPECTS OF HIGH WAVELENGTH EMR (IN ITALIAN)	1792
NETIC ENERGY IN BODY TISSUES PART I	BIOPHYSICAL ASPECTS	3324
	BIOPHYSICAL BASES OF TISSUE INTERACTIONS	2427
THE	BIOPHYSICAL BASIS OF PHYSICAL MEDICINE	3325
MICROWAVE RADIATION:	BIOPHYSICAL CONSIDERATIONS AND STANDARDS CRITERIA	1703
THERMAL DOSIMETRY: SOME	BIOPHYSICAL CONSIDERATIONS	0321
	BIOPHYSICAL EXPLANATIONS OF THE EFFECT OF MAGNETIC FIELDS ON BIOLO	3189
NONUNIFORM	BIOPHYSICAL HEATING WITH MICROWAVES	1528
SYSTEMS: ELECTRICAL PROPERTIES AND	BIOPHYSICAL MECHANISMS	0393
CT OF ELECTRICAL STIMULATION ON THE	BIOPHYSICAL PROPERTIES OF FRACTURE HEALING	2241
BEHAVIORAL	BIOPHYSICS	1042
URSI PURSUED: MILLIMETER WAVE	BIOPHYSICS	3396
EMPERATURE EXPERIMENTS IN RADIATION	BIOPHYSICS (IN NORWEGIAN)	2597
	BIOPHYSICS OF DIATHERMY	3450
	BIOPHYSICS--ENERGY ABSORPTION AND DISTRIBUTION	1598
DIELECTRIC STUDIES ON	BIOPOLYMERS AND LIQUID STRUCTURE (I)	1904
RF DAMAGE TO HIGH MOLECULAR WEIGHT	BIOPOLYMERS BY RAMAN SPECTROSCOPY	1609
ELF COUPLING TO	BIOSPHERES	1378
	BIOSYNTHESIS OF ACETYLCHOLINE IN DIFFERENT BRAIN REGIONS IN VIVO F	1620
INTERACTIONS BETWEEN EM FIELDS AND	BIOSYSTEMS	2027
RESPONSES OF	BIOSYSTEMS TO CHRONIC MICROWAVE EXPOSURE	2422
ECEPTORS OF MICROWAVE RADIATION I.	BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS	2458
THE PROPERTIES OF	BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTO	2218
THE PROPERTIES OF	BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTO	2458
CEPTORS OF MICROWAVE RADIATION II.	BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION	2218
THE PROPERTIES OF	BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION AT KU	1830
	BIRD FEATHERS AS DIELECTRIC RECEPTORS OF RF FIELDS	1831
THE PROPERTIES OF	BIRD FEATHERS AS PIEZOELECTRIC TRANSDUCERS AND MICROWAVE RECEPTORS	2816
	BIRD FEATHERS AS SENSORY DETECTORS OF MICROWAVE FIELDS	1543
COMMUNICATION IN	BIRD FLOCKS: AN EM MODEL	1671
L EFFECTS OF MICROWAVE RADIATION ON	BIRDS	0761
EFFECT OF MICROWAVE RADIATION ON	BIRDS	0762
CY EM FIELDS ON FREE FLYING MIGRANT	BIRDS	1756
RADAR AND MIGRATING	BIRDS	1780
RIENTATION OF NOCTURNALLY MIGRATING	BIRDS	1979
RIC AND MAGNETIC FIELDS IN DOMESTIC	BIRDS	3134
GNETIC FIELD DETECTION BY MIGRATORY	BIRDS AND HOMING PIGEONS	2511
CHANGES OF MUSCLE ACTION IN	BIRDS EXPOSED TO A MICROWAVE FIELD	0760
HOW	BIRDS FOLLOW INVISIBLE MAPS	2080
MIGRATING	BIRDS RESPOND TO PROJECT SEAFARER'S EM FIELD	1016
VELOPMENT, AND BEHAVIOR IN DOMESTIC	BIRDS , PHASE I: CONTINUOUS WAVE	1786
FECTS OF ELF ON FREE FLYING MIGRANT	BIRDS	0202
THE EFFECTS OF MICROWAVES ON	BIRDS : PRELIMINARY EXPERIMENTS	0581
SINE) STUDIED BY TRANSIENT ELECTRIC	BIREFRINGENCE	0859
ELECTRIC	BIREFRINGENCE STUDIES OF CARTILAGE PROTEOGLYCAN AGGREGATION	2399
A	BIREFRINGENT CRYSTAL OPTICAL THERMOMETER FOR MEASUREMENTS OF ELECT	2208
RAL HEMISPHERES UNDER THE EFFECT OF	BITEMPORAL DIATHERMY	1996
THERMIA IN CARCINOMA OF THE URINARY	BLADDER : EXPERIMENTAL AND CLINICAL RESULT. (IN GERMAN)	0216
TION HAZARDS IN THE USE OF ELECTRIC	BLASTING CAPS	3131
	BLINDNESS , DEAFNESS AND VESTIBULAR DYSFUNCTION IN A MICROWAVE WORK	0917

S AND SOFT X-RAYS ON THE PERIPHERAL	BLOOD	1452
-6-PHOSPHATE DEHYDROGENASE IN HUMAN	BLOOD	1982
NTROLLED ENERGY ON VIRUSES IN HUMAN	BLOOD	2515
MATHEMATICS OF INTERACTION BETWEEN	BLOOD AND EM FIELDS	1655
ED METALLOPROTEIN CONCENTRATIONS IN	BLOOD AND ORGANS (EXPERIMENTAL STUDY)'	2841
FORMS AND ELECTROLYTE LEVELS OF THE	BLOOD AND URINE IN RATS	1357
C BEHAVIOUR OF PURE WATER AND HUMAN	BLOOD AT MICROWAVE FREQUENCIES	0464
STUDIES ON	BLOOD BRAIN BARRIER PERMEABILITY AFTER MICROWAVE RADIATION	0021
	BLOOD BRAIN BARRIER WORKSHOP	0217
DANGER OF OVERWARMING	BLOOD BY MICROWAVE	0445
ADIATION ON MURINE PERIPHERAL WHITE	BLOOD CELL POPULATION	2345
ICROWAVES ON THE RESPONSES OF WHITE	BLOOD CELL SYSTEM	2318
O ELECTRICAL STRESS, II. EFFECTS ON	BLOOD CELLS AND BLOOD MINERALS	0144
WAVES ON THE REACTIONS OF THE WHITE	BLOOD CELLS SYSTEM	3255
F HOMOGENEOUS MAGNETIC FIELD ON RED	BLOOD CELLS: A CELL ELECTROPHORETIC STUDY	0117
FECT OF UHF ELECTRICAL FIELD ON THE	BLOOD CLOTTING SYSTEM IN ANIMALS (IN RUSSIAN)	2226
50 MHZ MICROWAVE RADIATION ON HUMAN	BLOOD COAGULATION PROCESSES	0676
Y FIELDS OF HIGH INTENSITIES ON THE	BLOOD COAGULATION SYSTEM	1480
CHANGE IN THE	BLOOD COUNT OF GROWING RATS IRRADIATED WITH A MICROWAVE PULSE FIEL	0182
F RETICULOCYTOSIS IN THE PERIPHERAL	BLOOD DURING AN EXPOSURE TO A CONSTANT MAGNETIC FIELD (IN RUSSIAN)	1628
ELEKTROKINETIC PROPERTIES OF	BLOOD ELEMENTS UNDER THE EFFECT OF PHYSICAL FACTORS (IN RUSSIAN)	2128
ORT WAVE AND MICROWAVE DIATHERMY ON	BLOOD FLOW	0565
EXTERNAL FIELD EM MEASUREMENT OF	BLOOD FLOW	0752
SIBILITY OF INHIBITING AND STOPPING	BLOOD FLOW BY A MAGNETIC FIELD	0950
CT OF MAGNETIC FIELD ON OSCILLATING	BLOOD FLOW IN ARTERIES	0920
HEMODYNAMIC PARAMETERS IN UNSTEADY	BLOOD FLOW IN ARTERIES IN PRESENCE OF STATIC MAGNETIC FIELD	0017
INCREASED	BLOOD FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING	2534
ALTERATIONS IN	BLOOD FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING AND TEMPE	2529
MICROWAVE THERAPY AND MUSCLE	BLOOD FLOW IN MAN	1156
EFFECTS OF BODY CORE HYPOTHERMIA ON	BLOOD FLOW IN TUMORS HEATED WITH MICROWAVE RADIATION	2530
HEPATIC	BLOOD FLOW MEASUREMENT	1844
ONSTANT EM FIELD ON THE DYNAMICS OF	BLOOD FLOW OF WARM BLOODED ANIMALS (IN RUSSIAN)	1336
EFFECT OF SURFACE COOLING AND	BLOOD FLOW ON THE EM HEATING OF TISSUE	2451
CHANGES IN PERIPHERAL	BLOOD FLOW PRODUCED BY SHORT-WAVE DIATHERMY	0620
HRONIC MICROWAVE IRRADIATION ON THE	BLOOD FORMING SYSTEM OF GUINEA PIGS AND RABBITS	0622
RELEASING FACTOR IN PITUITARY STALK	BLOOD FROM FEMALE RATS: SEX STEROID MODULATION OF RESPONSE TO ELEC	0635
EXTRACORPOREAL HEMOLYSIS OF	BLOOD IN A MICROWAVE BLOOD WARMER	0721
EFFECTS OF DIATHERMY ON THE FLOW OF	BLOOD IN THE EXTREMITIES	0656
IGH-FREQUENCY RANGE ON CYTOCHEMICAL	BLOOD INDICES	0061
SIGNIFICANCE OF SOME BIOCHEMICAL	BLOOD INDICES IN EARLY DETECTION OF LESIONS DUE TO PULSED LOW-FREQ	2047
CH FOR GROWTH, FOOD CONSUMPTION AND	BLOOD METABOLITE ALTERATIONS	1787
GROWTH, FOOD AND WATER CONSUMPTION,	BLOOD METABOLITE, HEMATOLOGICAL, AND PATHOLOGICAL CHANGES	0957
ESS, II. EFFECTS ON BLOOD CELLS AND	BLOOD MINERALS	0144
CHANGES IN THE PERIPHERAL	BLOOD OF GUINEA PIGS INDUCED BY A THREE CENTIMETER EM FIELD	1488
TY OF TOTAL SULFHYDRYL GROUP IN THE	BLOOD OF INDIVIDUALS EXPOSED TO SUPERHIGH-FREQUENCY GENERATORS	1980
CHANGES IN THE PERIPHERAL	BLOOD OF THE RAT EXPOSED TO MICROWAVE RADIATION (2400 MHZ) IN COND	0682
E EFFECTS ON TRACE METAL CONTENT OF	BLOOD PLASMA AND LIVER CELL FRACTIONS OF RODENTS	1079
MAGNETIC FIELDS AND THE NUMBER OF	BLOOD PLATELETS	2096
EFFECT OF MICROWAVES ON THE	BLOOD PRESSURE LEVELS IN TEST ANIMALS	1355
A SYSTEM FOR CHRONIC	BLOOD PRESSURE MEASUREMENT IN DOGS EXPOSED TO EXTREMELY LOW FREQUE	0865
ENSIFY THE BIOLOGICAL PROPERTIES OF	BLOOD PROTEINS	2346
	BLOOD PROTEINS IN PERSONNEL OF TELEVISION AND RADIO TRANSMITTING S	0888
EXPOSURE TO A MAGNETIC FIELD ON THE	BLOOD SEDIMENTATION RATE IN HEALTH AND DISEASE	2014
EFFECT OF MICROWAVES ON	BLOOD SERUM BUTYRYL CHOLINESTERASE ACTIVITY IN VIVO	1510
AN EXAMINATION OF CERTAIN	BLOOD SERUM CONSTITUENTS IN THE RAT FOLLOWING MICROWAVE IRRADIATIO	1984
CHANGES IN THE	BLOOD SYSTEM DURING CHRONIC EXPOSURE TO A SUPERHIGH-FREQUENCY FIEL	2013
STATE OF THE	BLOOD SYSTEM UNDER THE INFLUENCE OF SHF FIELDS OF VARIOUS INTENSIT	1442
CHANGES IN SOME	BLOOD TRACE ELEMENTS IN PATIENTS AND ACUTE THROMBOPHLEBITIS OF THE	2479
CAUSED BY THE HAEMOTHERM MICROWAVE	BLOOD WARMER	0308
L HEMOLYSIS OF BLOOD IN A MICROWAVE	BLOOD WARMER	0721
RON MICROSCOPIC OBSERVATIONS ON THE	BLOOD- BRAIN BARRIER AFTER MICROWAVE IRRADIATION	2678
STATUS OF MICROWAVE EFFECTS ON THE	BLOOD-BRAIN BARRIER	0360
MORPHOLOGIC ALTERATIONS IN HAMSTER	BLOOD-BRAIN BARRIER AFTER MICROWAVE IRRADIATION	2787
XPERIMENTAL PERMEABILIZATION OF THE	BLOOD-BRAIN BARRIER BY ELECTRIC FIELD APPLICATION	2820
MICROWAVE ALTERATION OF THE	BLOOD-BRAIN BARRIER SYSTEM OF RATS	2015

PERMEABILITY OF THE	BLOOD-BRAIN BARRIER TO MANNITOL IN THE RAT FOLLOWING 2450 MHZ MICR	0313
MICROWAVE IRRADIATION AND THE	BLOOD-BRAIN BARRIER	0398
MICROWAVE EFFECTS ON THE	BLOOD-FORMING SYSTEM WITH PARTICULAR REFERENCE TO THE LYMPHOCYTE	1074
RADIATION ON THE CNS, BEHAVIOR, AND	BLOOD : A PROGRESS REPORT	0257
THE DYNAMICS OF BLOOD FLOW OF WARM	BLOODED ANIMALS (IN RUSSIAN)	1336
THE MAGNETIC	BLUEPRINT OF LIFE	0367
IN FINITE HETEROGENEOUS BIOLOGICAL	BODIES	0051
THE PROBING OF FIELDS IN BIOLOGICAL	BODIES	0093
NSIDE ARBITRARILY SHAPED BIOLOGICAL	BODIES	0804
INVISIBLE	BODIES	1018
DS INDUCED INSIDE FINITE BIOLOGICAL	BODIES	1239
FIELDS INDUCED INSIDE OF BIOLOGICAL	BODIES	1741
WITH ARBITRARILY SHAPED BIOLOGICAL	BODIES	2070
CED FIELDS INSIDE FINITE BIOLOGICAL	BODIES	2187
WER DEPOSITION IN BIOLOGICAL TISSUE	BODIES	2192
FIELDS INDUCED IN FINITE BIOLOGICAL	BODIES BY NONUNIFORM ELECTROMAGNETIC FEILDS	0137
INDUCED EM FIELDS INSIDE HUMAN	BODIES IRRADIATED BY EM WAVES OF UP TO 500 MHZ	2796
ETIC FIELDS AND POWER DEPOSITION IN	BODY- OF-REVOLUTION MODELS OF MAN	0097
THE MICROWAVE-IRRADIATED BRAIN WITH	BODY-CORE HYPOTHERMIA	2533
THIN FILM SPHERICAL	BOLOMETER FOR MEASUREMENT OF HAZARDOUS FIELD INTENSITIES FROM 0.4	3297
	BOLUS FOR MICROWAVE HEATING OF TISSUES	0154
A	BOLUSING TECHNIQUE FOR BATCH MICROWAVE IRRADIATION OF TUMORS IN TH	2453
MICROWAVE	BOLUSING : A TECHNIQUE FOR IMPROVING HEATING UNIFORMITY FOR MICROW	2528
THE AIR: ARE THEY A BIOLOGICAL TIME	BOMB ?	0801
OPPER, COBALT AND METALLIC PROTEINS	BONDED WITH THEM IN ORGANS AND TISSUES OF TEST ANIMALS	1498
ELECTRICAL EFFECTS IN	BONE	0645
PYROELECTRIC COEFFICIENTS OF ANIMAL	BONE	2090
S AND THE PIEZOELECTRIC RESPONSE OF	BONE	2092
CAL STIMULATION OF INDUCED CORTICAL	BONE DEFECTS	2233
HANISM OF ELECTRICAL STIMULATION OF	BONE FORMATION	2242
CONSOLIDATION OF	BONE FRAGMENTS IN A CONSTANT MAGNETIC FIELD	2478
STIMULATION TECHNIQUE FOR INDUCING	BONE GROWTH	2237
NSITY DIRECT CURRENT STIMULATION OF	BONE GROWTH	2779
ELECTRIC STIMULATION OF	BONE GROWTH AND REPAIR: A REVIEW OF DIFFERENT STIMULATION METHODS	0158
IN VIVO	BONE GROWTH IN A CONTROLLED ELECTRIC FIELD	2236
THERMY (SHORTWAVE AND MICROWAVE) ON	BONE GROWTH IN THE ALBINO RAT	3371
FFECTS OF ELECTRICAL STIMULATION ON	BONE GROWTH IN VITRO AND ON FRACTURE HEALING	2330
APPROACHES IN ELECTRICALLY MEDIATED	BONE GROWTH STUDIES	2240
THE ELECTRICAL STIMULATION OF	BONE HEALING	0289
ELECTRIC ENHANCEMENT OF	BONE HEALING	1832
ELECTRIC CURRENT HASTENS	BONE HEALING	2088
ATIONS OF ELECTRICAL ENHANCEMENT OF	BONE HEALING	2244
NICAL ASPECTS OF THE STIMULATION OF	BONE HEALING USING ELECTRICAL PHENOMENA	0288
STUDIES OF ENHANCED	BONE HEALING VIA ELECTRICAL STIMULI: COMPARATIVE EFFECTIVENESS OF	2771
FECTS OF MICROWAVE RADIATION ON THE	BONE MARROW	1279
	BONE MARROW APLASIA (IN RUSSIAN)	0720
FRALOW-FREQUENCY MAGNETIC FIELDS ON	BONE MARROW CELL DIVISION	0437
DIATION AND THE CIRCADIAN RHYTHM OF	BONE MARROW CELL MITOSIS	1814
ONS OF RADIATION DOSE TO THE ACTIVE	BONE MARROW FROM DIAGNOSTIC X-RAY EXAMINATIONS	3083
RESTORATIVE PROCESSES IN	BONE MARROW IN RESPONSE TO SUPER-HIGH FREQUENCY RADIATION	1484
F MILLIMETER-BAND MICROWAVES ON THE	BONE MARROW OF MICE	2301
MOUSE	BONE MARROW REACTION TO ALTERED UHF MILLIMETER IRRADIATION PARAMET	1485
AUGMENTATION OF	BONE REPAIR BY INDUCTIVELY COUPLED EM FIELDS	0644
T ON REPARATIVE REGENERATION OF THE	BONE TISSUE (IN RUSSIAN)	2075
ELECTRICAL	BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION	2403
CE OF ELECTRIC POTENTIALS ON PLATED	BONES	2772
BRYOTOXICITY OF HYPERTHERMIA IN THE	BONNET MONKEY (M.RADIATA)	2928
	BONNEVILLE POWER ADMINISTRATION'S PROTOTYPE 1100/1200 KV TRANSMISS	3170
TREAT CANCER, USING MICROWAVES FOR	BOTH TASKS	0409
ERO MAGNETIC FIELDS ON THE MEMBRANE	BOUND ENZYME ACTIVITY	2620
AN UPPER	BOUND ON COEFFICIENT OF TRANSMISSION OF MICROWAVE LEAKAGE INTO BIO	1150
AN INVESTIGATION OF THE	BOUND WATER IN TENDON BY DIELECTRIC MEASUREMENT	3213
THE IMPORTANCE OF	BOUND WATER STUDIES IN THE DETERMINATION OF ENERGY ABSORPTION IN B	3271
TECHNIQUES FOR THE DETERMINATION OF	BOUND WATER	3207
ELECTRICAL PROPERTIES OF	BOUND WATER	3209

IRRADIATION OF	BOUVINE SERUM ALBUMIN USING A CROSSED BEAM EXPOSURE/DETECTION SYST	3555
THE DIELECTRIC PROPERTIES OF THE	BOVINE EYE LENS	3379
DISCUSSION PAPER: IRRADIATION OF	BOVINE SERUM ALBUMIN WITH A CROSSED-BEAM EXPOSURE-DETECTION SYSTEM	1083
DIELECTRIC DISPERSION IN	BOVINE SERUM ALBUMIN	3205
RAPID MICROWAVE FIXATION OF RAT	BRAIN	0040
RECEPTION OF MICROWAVES BY THE	BRAIN	0838
EM FIELDS AND THE	BRAIN	1266
EVOKED MAGNETIC FIELDS OF THE HUMAN	BRAIN	2099
ITTERS IN DISCRETE AREAS OF THE RAT	BRAIN	2169
DETECTION OF EMR FROM THE	BRAIN	2312
THE EFFECT OF EMR ON RAT LIVER AND	BRAIN	2356
ON ENZYMES AND METABOLITES IN MOUSE	BRAIN	2466
INATION OF ACETYLCHOLINE IN THE RAT	BRAIN	2516
IN THE SELECTIVELY HYPERTHERMIC RAT	BRAIN	2532
WAVES ON CENTRAL STRUCTURES OF THE	BRAIN	2793
UAL EXPERIENCE CAN MODIFY THE HUMAN	BRAIN	3022
ONTENT OF SPECIFIC AREAS OF THE RAT	BRAIN AFTER 1600 MHZ RADIOFREQUENCY IRRADIATION	0841
NEUROTRANSMITTER CONTENT OF MOUSE	BRAIN AFTER INACTIVATION BY MICROWAVE HEATING	0902
EPINEPHRINE AND DOPAMINE IN THE RAT	BRAIN AFTER MICROWAVE IRRADIATION	3416
DUCED CHANGES IN RATE OF GROWTH AND	BRAIN AND LIVER ENYZMES OF RATS	1782
CHANGES IN RATE OF GROWTH, AND	BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS	2549
DRUGS ON CYCLIC AMP LEVELS IN MOUSE	BRAIN AND LUNG FOLLOWING MICROWAVE IRRADIATION	2769
SOME EFFECTS OF EMR ON THE	BRAIN AND SPINAL CORD OF CATS	1059
UROCHEMICAL ALTERATIONS IN SPECIFIC	BRAIN AREAS IN RODENTS EXPOSED TO HIGH INTENSITY FIELDS	1290
CYCLIC AMP IN	BRAIN AREAS: EFFECTS OF AMPHETAMINE AND NOREPINEPHRINE ASSESSED T	2517
CYCLIC ADENOSINE MONOPHOSPHATE IN	BRAIN AREAS: MICROWAVE IRRADIATION AS A MEANS OF TISSUE FIXATION	0716
ROSCOPIC OBSERVATIONS ON THE BLOOD-	BRAIN BARRIER AFTER MICROWAVE IRRADIATION	2678
STUDIES ON BLOOD	BRAIN BARRIER PERMEABILITY AFTER MICROWAVE RADIATION	0021
BLOOD	BRAIN BARRIER WORKSHOP	0217
DUCED ENHANCEMENT OF CHANGES IN THE	BRAIN BIOELECTRICAL ACTIVITY IN A CONSTANT MAGNETIC FIELD	0191
S OF SYNAPTOSOMES ISOLATED FROM RAT	BRAIN CORTEX	1933
ILE INTERMEDIARY METABOLITES IN RAT	BRAIN DETERMINED AFTER TISSUE INACTIVATION WITH MICROWAVE IRRADIAT	2596
450 MHZ FOR IN VIVO INACTIVATION OF	BRAIN ENZYMES IN RATS	0085
THE INACTIVATION OF RODENT	BRAIN ENZYMES IN VIVO USING HIGH-INTENSITY MICROWAVE IRRADIATION	0387
	BRAIN EVOKED POTENTIALS ARE FUNCTIONAL CORRELATES OF INDUCED PAIN	0138
IMMERSION ULTRASONIC	BRAIN EXAMINATION -360 DEGREE COMPOUND SCAN	3377
YCLIC NUCLEOTIDES IN MOUSE REGIONAL	BRAIN FOLLOWING 300MS MICROWAVE INACTIVATION	2526
E INTERMEDIARY METABOLITES IN MOUSE	BRAIN FOLLOWING RAPID TISSUE FIXATION WITH MICROWAVE IRRADIATION	0810
THE LEVELS OF GABA IN MOUSE	BRAIN FOLLOWING TISSUE INACTIVATION BY MICROWAVE IRRADIATION	2053
THE ROLE OF DIFFERENT	BRAIN FORMATIONS IN EEG REACTIONS OF RABBITS TO A CONSTANT MAGNETI	1486
	BRAIN FREE FATTY ACID LEVELS IN RATS SACRIFICED BY DECAPITATION VE	0928
MICROWAVE SELECTIVE	BRAIN HEATING	0806
ELEVATION IN RAT	BRAIN HISTAMINE CONTENT AFTER FOCUSED MICROWAVE IRRADIATION	2591
ES IN BIOELECTRICAL ACTIVITY OF THE	BRAIN IN A CONSTANT MAGNETIC FIELD UNDER THE EFFECT OF CORAZOL	0281
FAST FIXATION OF	BRAIN IN SITU BY HIGH INTENSITY MICROWAVE IRRADIATION: APPLICATION	1123
HYPOTHALAMO-HYPOPHYSEAL PART OF RAT	BRAIN IN THE ANTITUMORAL EFFECT OF A MAGNETIC FIELD	1557
	BRAIN INTERACTIONS WITH WEAK ELECTRIC AND MAGNETIC FIELDS	1660
OF SUPERHIGH FREQUENCY RADIATION ON	BRAIN MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION (IN RUSSIAN)	1404
ON SYNTHESIS TURNOVER AND UPTAKE OF	BRAIN MONOAMINES	1893
S, DOPA AND CHOLINE AND TO PRESERVE	BRAIN MORPHOLOGY	1326
N, AND MORPHOLOGICAL CHANGES IN THE	BRAIN OF PIGEONS UNDER THE ACTION OF A CONSTANT MAGNETIC FIELD	1308
TIMULATION OF ADENYL CYCLASE IN THE	BRAIN OF RATS EXPOSED TO LOW POWER DENSITY MICROWAVE RADIATION	2412
BIOCHEMICAL CHANGES IN THE	BRAIN OF RATS EXPOSED TO MICROWAVES OF LOW POWER DENSITY	1141
ECT OF LESIONS OF SOME ZONES OF THE	BRAIN ON MITOSIS OF THE EPITHELIUM OF THE SMALL INTESTINAL GLANDS	2854
REMELY LOW FREQUENCY EM FIELDS WITH	BRAIN ORGANELLES	0799
CYCLES OF RECOVERY OF EVOKED	BRAIN POTENTIALS FOLLOWING EXPOSURE TO CONSTANT MAGNETIC FIELD IN	0160
OF BACKGROUND AND EVOKED RHYTHMS OF	BRAIN POTENTIALS IN RABBITS IN A STRONG STATIC MAGNETIC FIELD (IN	2081
NACTIVATE CHOLINESTERASE IN THE RAT	BRAIN PRIOR TO ANALYSIS FOR ACETYLCHOLINE	2518
CETYLCHOLINE CONCENTRATION IN MOUSE	BRAIN REGIONS	1202
HESIS OF ACETYLCHOLINE IN DIFFERENT	BRAIN REGIONS IN VIVO FOLLOWING ALTERNATIVE METHODS OF SACRIFICE B	1620
REINFORCEMENT OF TRANSIENT	BRAIN RHYTHMS BY AMPLITUDE- MODULATED VHF FIELDS	1673
OF MODULATED VHF FIELDS ON SPECIFIC	BRAIN RHYTHMS IN CATS	0447
PATHWAY FOR RECORDING FROM THE CAT	BRAIN STEM DURING ILLUMINATION WITH UHF ENERGY	1037
	BRAIN STEM EVOKED RESPONSES ASSOCIATED WITH LOW-INTENSITY PULSED U	1036
NG SYSTEM: RELATIONSHIP TO AVERSIVE	BRAIN STIMULATION EFFECTS	1955

CTION OF DECIMETER WAVES ON CENTRAL	BRAIN STRUCTURES	0072
E DEHYDROGENASE IN CELLS OF VARIOUS	BRAIN STRUCTURES UNDER THE EFFECT OF UHF FIELD OF LOW INTENSITY (I...	1399
ALUATION OF THE FUNCTIONAL STATE OF	BRAIN SYNAPSES IN RABBITS EXPOSED CHRONICALLY TO THE ACTION OF MIC...	1947
	BRAIN TEMPERATURE AND ENZYME HISTOCHEMISTRY AFTER HIGH INTENSITY M...	0853
OUPLED ELECTRODE FOR MEASUREMENT OF	BRAIN TEMPERATURE DURING MICROWAVE EXPOSURE	2383
MICROWAVE IRRADIATION ON EMBRYONIC	BRAIN TISSUE	0905
AMINO ACID TRANSMITTER (GABA) FROM	BRAIN TISSUE	1989
MICROWAVE IRRADIATION ON EMBRYONIC	BRAIN TISSUE	2863
DIELECTRIC PROPERTIES OF	BRAIN TISSUE BETWEEN 0·01 AND 10 GHZ	0416
INDUCED BY ELECTROMAGNETIC FIELD IN	BRAIN TISSUES	0016
OWAVE PROPERTIES OF FRESH MAMMALIAN	BRAIN TISSUES AT BODY TEMPERATURE	1282
ESHOLD OF SENSITIVITY OF THE RABBIT	BRAIN TO PULSED SUPERHIGH-FREQUENCY EM FIELDS	1940
NEURONS FROM DIFFERENT PARTS OF THE	BRAIN TO REPEATED SHF IRRADIATION (IN RUS)	0350
COMBINED CHEMOTHERMAL TREATMENT OF	BRAIN TUMORS	1240
ORATION OF EVOKED POTENTIALS OF RAT	BRAIN UNDER THE EFFECT OF A PERMANENT MAGNETIC FIELD	0280
US AND PULSATING ELECTRIC FIELDS ON	BRAIN WAVE ACTIVITY IN RATS	1010
TECTION OF THE MICROWAVE-IRRADIATED	BRAIN WITH BODY-CORE HYPOTHERMIA	2533
C FIELDS (2) EFFECTS ON HEART'S AND	BRAIN 'S ELECTRICAL ACTIVITY	3129
TOENCEPHALOGRAPHY: DETECTION OF THE	BRAIN 'S ELECTRICAL ACTIVITY WITH A SUPERCONDUCTING MAGNETOMETER	2101
INDUCTION THERMOCOAGULATION OF THE	BRAIN--QUANTITATION OF ABSORBED POWER	1334
A MICROWAVE DECOUPLED	BRAIN-TEMPERATURE TRANSDUCER	0809
TURNOVER OF ACETYLCHOLINE IN MOUSE	BRAIN : METHODOLOGICAL AND FUNCTIONAL ASPECTS	2527
ING THE RELEASE OF TAURINE FROM CAT	BRAIN : THE ELECTRICAL EFFECTS OF TAURINE ON NORMAL AND SEIZURE PRO...	1517
D RF ENERGY ON THE EEG OF MAMMALIAN	BRAINS :EFFECTS OF ACUTE & CHRONIC IRRADIATIONS	0095
ENDORPHINS IN	BRAINS OF DECAPITATED AND MICROWAVE-KILLED MICE	2219
D RF ENERGY ON THE EEG OF MAMMALIAN	BRAINS . II. APPEARANCE OF FAST AND SLOW WAVES AFTER CHRONIC IRRADI...	0287
MICROWAVE-EVOKED	BRAINSTEM POTENTIALS IN CATS	0371
CHROMOSOME	BREAKAGE IN CULTURED CHINESE HAMSTER CELLS INDUCED BY RADIO-FREQUE...	0535
DETECTION OF	BREAST CANCER BY MICROWAVE RADIOMETRY	2750
HY: APPLICATION TO THE DETECTION OF	BREAST CANCER, 2:375-385, 1978	0066
R-WAVE THERMOGRAPHY: APPLICATION TO	BREAST CANCER	0234
TRIBUTION IN A MICROWAVE IRRADIATED	BREAST CANCINOMA: PRELIMINARY RESULTS	0295
NENT MAGNETIC FIELD ON THE SPERM OF	BREEDING BULLS (IN RUS)	0082
F SHORT AND ULTRASHORT WAVES ON THE	BREEDING CAPACITY OF MALE RATS	1360
A MINIATURE	BROAD-BAND ELECTRIC FIELD PROBE	1099
A	BROAD-BAND ISOTROPIC PROBE FOR MICROWAVE POWER DENSITY MEASUREMENT	2437
AN EMPIRICAL FORMULA FOR	BROAD-BAND SAR CALCULATIONS OF PROLATE SPHEROIDAL MODELS OF HUMANS	0301
	BROADBAND MEASUREMENTS OF DIELECTRIC PROPERTIES	2664
A	BROADBAND , MINIATURE, ISOTROPIC ELECTRIC FIELD MEASUREMENT SYSTEM	1744
THE	BROADCAST ANTENNA	3492
CAL STUDY OF THE CHARACTERISTICS OF	BROADCAST ANTENNAS AS AFFECTED BY ANTENNA CURRENT DISTRIBUTION	3491
INTENSITY MEASUREMENTS IN SELECTED	BROADCAST FACILITES	1643
D INTENSITIES NEAR A HIGH POWER UHF	BROADCAST INSTALLATION	0754
POPULATION EXPOSURE TO VHF AND UHF	BROADCAST RADIATION IN THE UNITED STATES	0104
	BROADCAST RADIATION LEVELS	1478
AN ANALYSIS OF	BROADCAST RADIATION LEVELS IN HAWAII	2610
	BROADCAST RADIATION: A SECOND LOOK	2211
	BROADCAST RADIATION: HOW SAFE IS SAFE?	0582
UM FLUX DENSITY OF THE POWER FROM A	BROADCAST SATELLITE IN THE 620-790 MHZ FREQUENCY BAND	2323
AL POLARIZATIONS IN THE VHF AND UHF	BROADCAST SPECTRUM	1718
IN THE IMMEDIATE VICINITY OF AN FM	BROADCAST STATION ANTENNA	1701
N BUILDINGS WITH CLOSE PROXIMITY TO	BROADCAST STATIONS	0108
THE EFFECTS OF FM AND TV	BROADCAST STATIONS UPON CARDIAC PACEMAKERS	1654
THE EFFECTS OF TELEVISION AND FM	BROADCAST STATIONS UPON THE PERFORMANCE OF CARDIAC PACEMAKERS (PIL...	3553
ITTERS USED IN TELEVISION AND RADIO	BROADCASTING	2556
HF PROPAGATION CURVES FOR TV AND FM	BROADCASTING	3523
AVE SOURCES IN TELEVISION AND RADIO	BROADCASTING STATIONS	1344
TIAL INVENTORY OF MICROWAVE TOWERS,	BROADCASTING TRANSMITTERS, AND FIXED RADAR BY STATES AND REGIONS	2851
TIAL INVENTORY OF MICROWAVE TOWERS,	BROADCASTING TRANSMITTERS, AND FIXED RADAR BY STATES AND REGIONS	3227
VOICE OF AMERICA	BROADCASTING TRANSMITTWRS	3501
TIONS TO RADIOFREQUENCY HAZARDS AND	BROADCASTING	0192
YOSURGERY AND ELECTROCOAGULATION OF	BRONCHI	2856
OCORTICAL FUNCTION OF CHILDREN WITH	BRONCHIAL ASTHMA	0282
INFLUENCE THE FEEDING BEHAVIOUR OF	BROWN RATS USING ELECTROMAGNETISM	0348
VIEW OF THE WORK CONDUCTED AT U. OF	BUFFALO--STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES	1576

ERGY UPON MICROORGANISMS IN LIQUID,	BUFFERED , AND ALCOHOLIC FOOD SYSTEMS	2498
WAKE-UP WAVES BEING USED ON	BULBS	3484
AGULATION OF THE UTERINE CERVIX (IN	BULGARIAN)	1407
THE SENSITIVITY OF BLACK	BULLHEAD , ICTALURUS MELAS RAFINESQUE, TO LOW LEVELS OF 60 HZ ALTER	1205
ETIC FIELD ON THE SPERM OF BREEDING	BULLS (IN RUS)	0082
NCE FOR ITS USE IN MIGRATORY INDIGO	BUNTINGS	2106
ELECTROSURGERY	BURNS AND THE UROLOGIST	1872
HUMAN SKIN	BURNS INDUCED BY DEFIBRILLATOR DEFAULT CURRENT	1873
CORNEAL RADIOFREQUENCY	BURNS : EFFECTS OF PROSTAGLANDINS AND 48/80	2223
EHAVIOUR OF THE CILIATE, PARAMECIUM	BURSARIA FOCKE, IN EM FIELD	1913
O ENHANCE ONCOLYSIS BY COLOSTRIDIUM	BUTYRICUM (STRAIN M 55) (IN GERMAN)	1806
EFFECT OF MICROWAVES ON BLOOD SERUM	BUTYRYL CHOLINESTERASE ACTIVITY IN VIVO	1510
ANSI COMMITTEE	C-95 COMMENTS ON: 'RESEARCH NEEDS FOR ESTABLISHING A RADIO FREQUEN	1800
HERMIA ON MAMMARY ADENOCARCINOMA IN	C3H MICE	1238
OF THE AMERICAN NATIONAL STANDARDS	C95 COMMITTEE ON RADIO FREQUENCY RADIATION HAZARDS	2274
PROPOSED REVISIONS TO ANSI STANDARD	C95 .1 FOR EXPOSURE TO RADIO FREQUENCY AND MICROWAVE RADIATIONS	1789
TIONS: A ROSE BY ANOTHER NAME IS A	CABBAGE	2381
RESPONSE OF ELECTRICALLY SHORT	CABLES TO TRANSIENT EM FIELDS	0650
NONTHERMAL ACTION OF MICROWAVES ON	CADIAC RHYTHM	3469
F WHITE MICE MAINTAINING IN FARADAY	CAGES AND IN AN ELECTRIC FIELD, OSCILLATING WITH RECTANGULAR PULSE	2646
STYROFOAM	CAGES FOR RATS USED IN MICROWAVE RESEARCH: COATING WITH QUININE	1009
STYROFOAM	CAGES FOR RATS USED IN MICROWAVE RESEARCH: COATING WITH QUININE	2904
EFFLUX OF	CALCIUM AND AMINO ACIDS FROM CEREBRAL TISSUE WITH WEAK, LOW-FREQUE	2310
CTS OF WEAK ELF FIELDS ON EFFLUX OF	CALCIUM AND AN AMINO ACID TRANSMITTER (GABA) FROM BRAIN TISSUE	1989
	CALCIUM BINDING IN CEREBRAL TISSUE	2679
SENSITIVITY OF	CALCIUM BINDING IN CEREBRAL TISSUE TO WEAK ENVIRONMENTAL ELECTRIC	0819
CTS OF WEAK LOW FREQUENCY FIELDS ON	CALCIUM EFFLUX FROM CHICK AND CAT CEREBRAL TISSUE	2727
UHF TREATMENT AND	CALCIUM ELECTROPHORESIS IN THE THERAPY OF PYELONEPHRITIS IN CHILDR	2072
IONIC FACTORS IN RELEASE OF	CALCIUM FROM CHICKEN CEREBRAL TISSUE BY ELECTROMAGNETIC FIELDS	3395
METHODS OF	CALIBRATING MICROWAVE HAZARD METERS	0880
THE CONSTRUCTION,	CALIBRATION AND USE OF THERMOCOUPLES FOR MEASURING BODY TEMPERATUR	3457
E- AND H- FIELD INSTRUMENTATION AND	CALIBRATION BELOW 500 MHZ	2204
CALORIMETRIC	CALIBRATION METHOD FOR A COMMERCIAL POWER MONITOR FOR USE WITH HIG	3039
PRECISE MICROWAVE POWER DENSITY	CALIBRATION METHOD USING THE POWER EQUATION TECHNIQUES	3625
EXPERIMENTAL	CALIBRATION OF A MINIATURE, ELECTRIC FIELD PROBE WITHIN SIMULATED	2207
METHODS FOR THE EVALUATION AND	CALIBRATION OF MICROWAVE SURVEY INSTRUMENTS	0058
TRUMENTATION FOR THE EVALUATION AND	CALIBRATION OF MICROWAVE SURVEY INSTRUMENTS	2205
CONSTRUCTION AND	CALIBRATION OF PARELLEL PLATE TRANSMISSION LINE FOR ELECTROMAGNETI	3513
PRECISE	CALIBRATION OF PLANE-WAVE MICROWAVE POWER DENSITY USING POWER EQUA	0057
DESCRIPTION AND	CALIBRATION OF PROBES USED FOR EXPLORATORY FAA FIELD INTENSTIY SUR	1952
	CALIBRATION PRINCIPLES AND PROCEDURES FOR FIELD STRENGTH METERS (3	3494
NEAR-ZONE	CALIBRATIONS FOR MICROWAVE ANTENNAS + FIELD STRENGTH AND POWER DEN	3298
L MICROWAVE OVENS IN ORANGE COUNTY,	CALIF	0683
THE RESEARCH PERFORMED AT THE U. OF	CALIF	1468
MAN-MADE EM NOISE IN SOUTHERN	CALIF . AND SOUTHERN NEV	0987
VIEW OF THE WORK CONDUCTED AT U. OF	CALIF .--EFFECTS OF MICROWAVE IRRADIATION ON INTERNAL TEMPERATURE A	1579
ORAN-C STATION AT TWENTYNINE PALMS,	CALIFORNIA	3597
LD INTENSITIES AT THE UNIVERSITY OF	CALIFORNIA , SAN FRANCISCO, MAY-JULY 1973	3552
ELECTRICAL	CALLUS AND CALLUS FORMATION BY ELECTRET	2775
THE ELECTRICAL INDUCTION OF	CALLUS FORMATION AND EXTERNAL SKELETAL FIXATION USING METHYL METHA	2781
ELECTRICAL CALLUS AND	CALLUS FORMATION BY ELECTRET	2775
ELECTRET INDUCED	CALLUS FORMATION IN THE RAT	2776
E IRRADIATION OF THE HEAD: INDIRECT	CALORIC VESTIBULAR STIMULATION	0524
	CALORIC VESTIBULAR STIMULATION VIA UHF-MICROWAVE IRRADIATION	0609
A LIQUID CRYSTAL	CALORIMETER FOR RADIATION MONITORING	1143
AN ISOTHERMAL TWIN	CALORIMETER FOR THE DETERMINATION OF THE HEAT DEFECT OF LOW ENERGY	3248
PERFORMANCE OF THE LCOF PROBE IN	CALORIMETRIC AND TISSUE TEMPERATURE MONITORING APPLICATIONS	2201
	CALORIMETRIC CALIBRATION METHOD FOR A COMMERCIAL POWER MONITOR FOR	3039
RICAL AND STRUCTURAL MODIFICATIONS,	CALORIMETRIC , DOSIMETRY, AND FUNCTIONAL EVALUATION	1713
SYSTEMS, 2, ANALYSIS BY DEWAR-FLASK	CALORIMETRY	2730
EFFECTS OF AN ELECTRIC FIELD: WHAT	CAN AN ELECTRICIAN SAY ON THIS SUBJECT?	1584
VIDENCE THAT GEOMAGNETIC VARIATIONS	CAN BE DETECTED BY LORENZINIAN AMPULLAE	0404
	CAN HIGH VOLTAGE CAUSE ENVIRONMENTAL HAZARDS? (IN NOR)	0318
RF HAZARDS: WHAT WE DON'T KNOW	CAN HURT ELEMENTS, METALLOPROTEINES AND SOME INDICATORS OF OXIDATI	2348
MICROWAVES	CAN KILL AND MAIM	3533

MICROWAVES	CAN KILL INSECT PESTS	0240
AT ABNORMAL EARLY VISUAL EXPERIENCE	CAN MODIFY THE HUMAN BRAIN	3022
ENVIRONMENTAL INFLUENCES WHICH	CAN OR MAY CHANGE HEREDITY	2867
DANGER: WHEN YOU TRANSMIT YOU	CAN TURN OFF A PACEMAKER	3028
CONTROL OF MICROWAVE EXPOSURE IN	CANADA	0115
CONTROL OF MICROWAVE EXPOSURE IN	CANADA	0116
IZING RADIATION EMITTING DEVICES IN	CANADA	2058
N OF THE CONTINENTAL UNITED STATES,	CANADA AND MEXICO WITHIN VARIOUS DISTANCES FROM 136' TELEVISION MA	3498
HERAPY IN THE TREATMENT OF ADVANCED	CANCER	0012
WIRING CONFIGURATIONS AND CHILDHOOD	CANCER	0105
MICROWAVE APPLICATORS HELP TREAT	CANCER	0121
CROWAVES SCORE TKO IN FIGHT AGAINST	CANCER	0845
SMS IN COMBINED MODALITY THERAPY OF	CANCER	1211
GATION OF HYPERTHERMIA TREATMENT OF	CANCER	1619
FFECTS OF STATIC MAGNETIC FIELDS ON	CANCER	1836
N THERAPY ON PATIENTS WITH ADVANCED	CANCER	2336
IMPLANTABLE RADIATORS FOR	CANCER THERAPY BY MICROWAVE HYPERTHERMIA	0388
	CANCER 'TREATMENT' IS ALL AT SEA	1968
INCREASE IN X-RAY SENSITIVITY OF	CANCER AFTER EXPOSURE TO 434 MHZ EMR	2452
	CANCER AND THE LAW OF WORK	2281
DETECTION OF BREAST	CANCER BY MICROWAVE RADIOMETRY	2750
CANCER: BIOCHEMICAL DEFECTS IN THE	CANCER CELL DEMONSTRATED BY THE EFFECTS OF EMR, GLUCOSE AND OXYGEN	0079
MICROWAVES PROBE FOR	CANCER CELLS	0669
THE INCREASED EFFECTIVENESS OF	CANCER CHEMOTHERAPEUTIC AGENTS WHEN COMBINED WITH SIMULTANEOUS MIC	2325
ENHANCEMENT OF	CANCER CHEMOTHERAPY BY SELECTIVE ELECTROMAGNETIC HEATING OF TUMORS	3393
ANEOUS CENTRAL GRAY STIMULATION FOR	CANCER PAIN	3421
YPERTHERMIA IN THE TREATMENT OF THE	CANCER PATIENT	0448
TIONS IN BIOLOGICAL SYSTEMS AND THE	CANCER PROBLEM	0042
HEAT AS	CANCER THERAPY	0724
UCED HYPERTHERMIA AS AN ADJUVANT TO	CANCER THERAPY	1161
	CANCER THERAPY WITH LOCALIZED HYPERTHERMIA USING AN INVASIVE MICRO	0226
	CANCER THERAPY, DETECTION AIDED BY MICROWAVE TECHNOLOGY	1172
PROSPECTS FOR HYPERTHERMIA IN HUMAN	CANCER THERAPY, PART I: HYPERTHERMIC EFFECTS IN MAN AND SPONTANEOU	2063
THE USE OF 2450 MHZ OF MICROWAVE IN	CANCER THERAPY	0170
PHYSICAL HYPERTHERMIA AND	CANCER THERAPY	0390
FOUR YEARS OF MICROWAVES IN	CANCER THERAPY	0421
LOCALLY-INDUCED HYPER- THERMIA FOR	CANCER THERAPY	0438
	CANCER TREATMENT BY HYPERTHERMIA: INCLUDING PHANTOM STUDIES ON LOC	0357
A REPLY TO THE CONCEPT OF	CANCER TREATMENT BY NMR	0852
RTHERMIA: A BIOPHYSICAL APPROACH TO	CANCER TREATMENT VIA INTRACELLULAR TEMPERATURE AND BIOPHYSICAL ALT	0076
MICROWAVE-INDUCED HYPERTHERMIA IN	CANCER TREATMENT: APPARATUS AND PRELIMINARY RESULTS	3418
THERMIA APPLIED TO THE TREATMENT OF	CANCER WITH SPECIAL REFERENCE TO THE ROLE OF ULTRASONIC AND MICROW	1225
FECT OF HYPERTHERMIA ON HUMAN COLON	CANCER XENOGRAFTS IN NUDE MICE	0337
LICATION TO THE DETECTION OF BREAST	CANCER , 2:375-385, 1978	0066
SYSTEM TO DETECT AND TREAT	CANCER , USING MICROWAVES FOR BOTH TASKS	0409
RF USED TO FIGHT	CANCER	0133
THERMOGRAPHY: APPLICATION TO BREAST	CANCER	0234
WAVE APPARATUS FOR THE TREATMENT OF	CANCER	0374
THE CURE OF	CANCER : A PRELIMINARY HYPOTHESIS	0500
THE CAUSE OF	CANCER : BIOCHEMICAL DEFECTS IN THE CANCER CELL DEMONSTRATED BY THE	0079
DO THE FRENCH HAVE A CURE FOR	CANCER ?	1656
ON IN A MICROWAVE IRRADIATED BREAST	CANCINOMA : PRELIMINARY RESULTS	0295
MPTYING BY ELECTRICAL PACING OF THE	CANINE DUODENAL PACESETTER POTENTIAL	1840
MSO ON THE DIELECTRIC PROPERTIES OF	CANINE KIDNEY TISSUE	2847
NG PARAMETER IMAGERY OF AN ISOLATED	CANINE KIDNEY	0307
Y SPECTROSCOPIC IMAGERY OF ISOLATED	CANINE KIDNEY	0423
SURVIVAL OF	CANINE KIDNEYS AFTER TREATMENT WITH DIMETHYL- SULFOXIDE, FREEZING	2698
NATOR METHOD OF MEASURING INDUCTIVE	CAPACITIES IN THE MILLIMETER RANGE	3340
REDUCTION OF FUNCTIONAL	CAPACITIES OF THE HEART UNDER CONDITIONS OF EFFECT OF EM FIELD OF	2713
	CAPACITY AND CONDUCTIVITY OF BODY TISSUES AT UHF	0559
NTIONAL HEATING ON THE REPRODUCTIVE	CAPACITY OF DROSOPHILA MELANOGASTER	2925
ND ULTRASHORT WAVES ON THE BREEDING	CAPACITY OF MALE RATS	1360
E EFFECTS ON THE TOTAL IRON BINDING	CAPACITY OF PREGNANT RATS	2448
SELECTIVE OCCLUSION OF TUMOR TISSUE	CAPILLARIES BY HYPERTHERMIA SHOCK DURING HYPERGLYCEMIA (IN GERMAN	0096
PER HIGH-FREQUENCY EM FIELDS ON THE	CAPILLARY BED, PARENCHYMA, AND SOME BIOCHEMICAL PROPERTIES OF RAT	1502

RDS IN THE USE OF ELECTRIC BLASTING	CAPS	3131
	CARARACTS FOLLOWING USE OF MICROWAVE OVEN	0782
VANOTROPIC ORIENTATION OF GOLDFISH (	CARASSIUS AURATUS)	0516
NERVOUS SYSTEM IN THE REGULATION OF	CARBOHYDRATE METABOLISM IN ANIMALS EXPOSED TO AN ULTRAHIGH-FREQUEN	2327
ICAL STIMUALTION OF RABBIT AND LAMB	CARCASSES	1882
TATIONARY MAGNETIC FIELD ON INDUCED	CARCINOGENESIS (IN RUSSIAN)	2594
OWAVE HYPERTHERMIA OF A MODEL MOUSE	CARCINOMA	0046
L-ASCORBIC ACID ON EHRLICH ASCITES	CARCINOMA CELL METABOLISM	0044
PERTHERMIA ON THE EHRLICH'S-ASCITES	CARCINOMA IN THE MOUSE (IN GERMAN)	1187
BY MICROWAVES AND XRAYS ON WALKER'S	CARCINOMA OF THE RAT. (IN GER.)	0136
HIGH-FREQUENCY HYPERTHERMIA IN	CARCINOMA OF THE URINARY BLADDER: EXPERIMENTAL AND CLINICAL RESULT	0216
T FIELD HYPERTHERMIA IN ORAL CAVITY	CARCINOMAS	2366
CONDITIONED CONTROL OF	CARDIAC ACTIVITY AND RESPIRATION, AND MORPHOLOGICAL CHANGES IN THE	1308
	CARDIAC AND NEURAL EFFECTS OF RADAR WAVELENGTHS	1199
POSSIBLE	CARDIAC DRIVING BY AN EXTERNAL ROTATING MAGNETIC FIELD	1013
ON THE OPTIC PROPERTIES OF THE FROG	CARDIAC MUSCLE (IN RUSSIAN)	1398
E WITH THE FUNCTION OF AN IMPLANTED	CARDIAC PACEMAKER	0260
FECT OF MICROWAVE OVEN ON IMPLANTED	CARDIAC PACEMAKER	0513
ENVIRONMENTAL INFLUENCES ON	CARDIAC PACEMAKER ACTIVITY	1432
DISTURBANCES IN THE FUNCTION OF	CARDIAC PACEMAKER CAUSED BY SHORT WAVE AND MICROWAVE DIATHERMIES A	2087
	CARDIAC PACEMAKER EM INTERFERENCE (3050 MHZ)	0649
	CARDIAC PACEMAKER EMC IN PERSPECTIVE	2382
	CARDIAC PACEMAKER EMC IN PERSPECTIVE (SUMMARY)	3061
GRAPHY ON THE HAZARDS OF ARTIFICIAL	CARDIAC PACEMAKER EXPOSURE TO RADIO FREQUENCY FIELDS AND ELECTRIC	0527
INTERFERENCE WITH	CARDIAC PACEMAKER FUNCTION	2028
EMPIRICAL STUDIES OF	CARDIAC PACEMAKER INTERFERENCE	1019
DIOFREQUENCY RADIATION EMISSSION ON	CARDIAC PACEMAKER PERFORMANCE	1777
ADIOFREQUENCY RADIATION EMISSION ON	CARDIAC PACEMAKER PERFORMANCE	2199
LINAL MICROWAVE HAZARDS TO	CARDIAC PACEMAKER WEARERS	0361
AND 3050 MHZ) EMR ON NONCOMPETITIVE	CARDIAC PACEMAKERS	0450
MICROWAVE OVEN INTERFERENCE WITH	CARDIAC PACEMAKERS	0552
EMR INTERFERENCE WITH	CARDIAC PACEMAKERS	0792
TS OF EM INTERFERENCE (2450 MHZ) ON	CARDIAC PACEMAKERS	1285
TED RF FIELDS (450 AND 3100 MHZ) ON	CARDIAC PACEMAKERS	1289
THE EFFECT OF RADAR ON	CARDIAC PACEMAKERS	1316
EM INTERFERENCE OF	CARDIAC PACEMAKERS	1602
F FM AND TV BROADCAST STATIONS UPON	CARDIAC PACEMAKERS	1654
EFFECT OF EM INTERFERENCE ON	CARDIAC PACEMAKERS	1999
ELECTROMAGNETIC COMPATIBILITY OF	CARDIAC PACEMAKERS	2270
IRONMENTAL INFLUENCE ON IMPLANTABLE	CARDIAC PACEMAKERS	3078
A POTENTIAL RISK TO PATIENTS WITH	CARDIAC PACEMAKERS	3579
ST STATIONS UPON THE PERFORMANCE OF	CARDIAC PACEMAKERS (PILOT STUDY) NOVEMBER 1972	3553
	CARDIAC PACEMAKERS AND EMI FROM THERAPEUTIC RADIATION GENERATING M	2316
INTERFERENCE WITH	CARDIAC PACEMAKERS BY DIATHERMY TESTED IN VARIOUS SIMULATION MODEL	0235
THE EFFECTS ON	CARDIAC PACEMAKERS OF IONIZING RADIATION AND ELECTROMAGNETIC INTER	3417
SUSCEPTIBILITY OF	CARDIAC PACEMAKERS TO 60 HZ MAGNETIC FIELDS	2271
SUSCEPTIBILITY OF	CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS	1754
ANTI-HIJACKING EFFORTS AND	CARDIAC PACEMAKERS--REPORT OF A CLINICAL STUDY	2969
	CARDIAC PULSE GENERATORS AND EM INTERFERENCE	2041
FREQUENCY-DEPENDENT CHANGES IN THE	CARDIAC SARCOLEMMAL ATPASE	1841
: POSSIBLE APPLICATION FOR NEONATAL	CARDIAC SURGERY	0203
THERMOGENETIC AND	CARDIODYNAMIC REGULATION IN DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW	0655
NEUROENDOCRINE AND	CARDIODYNAMIC RESPONSE OF THE DOG SUBJECTED TO CRANIAL EXPOSURE TO	2445
F SMALL INTENSITY ON INDICES OF THE	CARDIOVASCULAR AND RESPIRATORY SYSTEMS (IN RUSSIAN)	2079
	CARDIOVASCULAR CHANGES IN RABBITS EXPOSED TO A STATIC MAGNETIC FIE	0020
	CARDIOVASCULAR CHANGES RESULTING FROM CHRONIC EXPOSURE TO AN ULTRA	1939
IC SMOG AS A POTENTIATING FACTOR IN	CARDIOVASCULAR DISEASE: A HYPOTHESIS OF MICROWAVES AS AN ETIOLOGY	1636
	CARDIOVASCULAR DISEASES IN PERSONS WITH A HISTORY OF EXPOSURE TO T	0591
AUTONOMIC AND	CARDIOVASCULAR DISORDERS DURING CHRONIC EXPOSURE TO SUPER-HIGH FRE	2553
THERMOREGULATORY, METABOLIC, AND	CARDIOVASCULAR RESPONSE OF RATS TO MICROWAVES	0926
THE	CARDIOVASCULAR SYSTEM AS AFFECTED BY EXPOSURE TO MICROWAVE RADIATI	0063
THE	CARDIOVASCULAR SYSTEM AS AFFECTED BY OCCUPATIONAL FACTORS	0062
IMMEDIATE EFFECT OF ELECTRIC	CARDIOVERSION ON THE INDICES OF HEMODYNAMICS AND MYOCARDIUM CONTRA	1396
COMBINATION OF	CARMINOMYCIN WITH UHF HYPERTHERMIA IN THE TREATMENT OF SARCOMA 180	0252
EPIPHYSEAL	CARTILAGE CYCLIC AMP CHANGES PRODUCED BY ELECTRICAL AND MECHANICAL	2777

ELECTRIC BIREFRINGENCE STUDIES OF	CARTILAGE PROTEOGLYCAN AGGREGATION	2399
ELECTRICAL STIMULATION OF ARTICULAR	CARTILAGE REGENERATION	2238
ACCELERATED DRYING OF PLASTER	CASTS WITH A MICROWAVE OVEN	2849
XIAL PATHWAY FOR RECORDING FROM THE	CAT BRAIN STEM DURING ILLUMINATION WITH UHF ENERGY	1037
FECTING THE RELEASE OF TAURINE FROM	CAT BRAIN: THE ELECTRICAL EFFECTS OF TAURINE ON NORMAL AND SEIZURE	1517
DS ON CALCIUM EFFLUX FROM CHICK AND	CAT CEREBRAL TISSUE	2727
E OF SINGLE AUDITORY NEURONS IN THE	CAT TO PULSED MICROWAVE RADIATION	2758
THE OCULAR LENS AND	CATARACT	1170
MICROWAVE	CATARACT	1863
	CATARACT AFTER EXPOSURE TO NON-IONIZING RADIANT ENERGY	2042
OWAVE RADIATION ON THE INCIDENCE OF	CATARACT FORMATION	3021
ACUTE MICROWAVE IRRADIATION AND	CATARACT FORMATION IN RABBITS AND MONKEYS	1128
SELECTED CASES OF MICROWAVE	CATARACT IN MAN ASSOCIATED WITH CONCOMITANT ANNOTATED PATHOLOGIES	0890
TEMPERATURE RISES IN RABBIT EYES IN	CATARACT RESEARCH	1271
EXPERIMENTAL MICROWAVE	CATARACT : A REVIEW	1529
A MODEL FOR THERMAL	CATARACTOGENESIS	2442
THERMAL AND NONTHERMAL	CATARACTOGENESIS BY MICROWAVES	1526
MECHANISM OF MICROWAVE	CATARACTOGENESIS IN RABBITS	2150
MICROWAVE	CATARACTOGENESIS	0401
MICROWAVE	CATARACTOGENESIS : A CRITICAL REVIEW OF THE LIT	0707
POSSIBLE	CATARACTOGENIC EFFECTS OF RADIOFREQUENCY RADIATION	1313
INVESTIGATIONS OF THE	CATARACTOGENIC INFLUENCE OF MICROWAVES OF 10 CM BAND	0989
ERMIC RABBITS: A STUDY OF MICROWAVE	CATARACTOGENIC MECHANISMS	1068
RELATIVE	CATARACTOGENIC POTENCIES OF TWO MICROWAVE FREQUENCIES (2.45 AND 10	2157
EXPERIMENTAL MICROWAVE	CATARACTS	0652
MICROWAVE	CATARACTS	0789
MICROWAVE	CATARACTS	1041
CLINICAL MICROWAVE	CATARACTS	1530
L CHANGES IN EXPERIMENTAL MICROWAVE	CATARACTS	1867
GES DURING DEVELOPMENT OF MICROWAVE	CATARACTS	2683
TRANSMITTERS ON THE ORIGINATION OF	CATARACTS	3477
SCREENING FOR	CATARACTS AMONG VETERAN RADAR REPAIR AND MAINTENANCE TECHNICIANS	1066
	CATARACTS AND AVIONIC RADIATIONS	1768
	CATARACTS AND ULTRA-HIGH-FREQUENCY RADIATION	3607
LETTER OF COMMENT ON M. M. ZARET'S '	CATARACTS FOLLOWING USE OF MICROWAVE OVEN'	2652
LETTER OF COMMENT ON M. M. ZARET'S '	CATARACTS FOLLOWING USE OF MICROWAVE OVEN'	2653
LETTER OF COMMENT ON M. M. ZARET'S '	CATARACTS FOLLOWING USE OF MICROWAVE OVEN'	2654
LETTER OF COMMENT ON M. M. ZARET'S '	CATARACTS FOLLOWING USE OF MICROWAVE OVEN'	2655
LETTER OF COMMENT ON M. M. ZARET'S '	CATARACTS FOLLOWING USE OF MICROWAVE OVEN'	2656
LETTER OF COMMENT ON M. M. ZARET'S '	CATARACTS FOLLOWING USE OF MICROWAVE OVEN'	2657
	CATARACTS IN AVIATION ENVIRONMENTS	1796
MENTAL STUDI&S OF MICROWAVE INDUCED	CATARACTS IN RABBITS	2386
AT TUFTS U.-EXPERIMENTAL RADIATION	CATARACTS INDUCED BY MICROWAVE RADIATION	1574
ARE MICROWAVE	CATARACTS THERMALLY CAUSED?	2684
MICROWAVE	CATARACTS--A CASE REPT. REEVALUATED	0772
OF MICROWAVE RADIATION ON CEREBRAL	CATECHOLAMINE METABOLISM (IN RUSSIAN)	0011
DECIMETRIC WAVES ON THE EXCHANGE OF	CATECHOLAMINES IN THE TISSUES OF HEALTHY RABBITS (IN RUSSIAN)	2846
INTRACARDIAC	CATHETER FIBRILLATION THRESHOLDS AS A FUNCTION OF THE DURATION OF	1520
	CATION BINDING MODELS FOR THE INTERACTION OF MEMBRANES WITH EM FIE	2423
WAVE-EVOKED BRAINSTEM POTENTIALS IN	CATS	0371
FIELDS ON SPECIFIC BRAIN RHYTHMS IN	CATS	0447
THE AUDITORY SYSTEMS OF HUMANS AND	CATS	1046
EMR ON THE BRAIN AND SPINAL CORD OF	CATS	1059
VE-INDUCED COCHLEAR MICROPHONICS IN	CATS	1158
IN ANESTHETIZED AND UNANESTHETIZED	CATS	3405
N OF REFLEXES IN THE SPINAL CORD OF	CATS DURING DIRECT IRRADIATION WITH MICROWAVES	1639
A RESTRAINT DEVICE FOR	CATS IN AN UHF EM ENERGY FIELD	1045
EQUENCY ELECTRIC STIMULATION OF THE	CAUDATE NUCLEUS ON THE CORTICAL ELECTRIC ACTIVITY AND THE WAKEFULN	1406
RDS ASSOCIATED WITH SMALL DISCHARGE	CAVITIES	1711
TRENGTH OF THE MICROWAVE FIELD IN A	CAVITY	3499
TEMPERATURE CONTROLLED	CAVITY APPLICATOR FOR RADIO- FREQUENCY WAVE IRRADIATION OF MAMMALI	0256
CURRENT FIELD HYPERTHERMIA IN ORAL	CAVITY CARCINOMAS	2366
EQUENCY PERTURBATION OF A MICROWAVE	CAVITY CONTAINING A LOSSY LIQUID	1802
RF	CAVITY IRRADIATION DOSIMETRY	0997
ND SAFETY PROCEDURES FOR ALL CLOSED	CAVITY MICROWAVE DEVICES	2522

	CAVITY PERTURBATION MEASUREMENT OF THE EFFECTS OF MICROWAVE RADIAT	2295
AND LOSS OF SOLIDS AND LIQUIDS BY A	CAVITY PERTURBATION METHOD	0988
A	CAVITY-BACKED SLOT RADIATOR FOR MICROWAVE BIOLOGICAL EFFECT RESEAR	1020
INKED B-LYMPHOCYTE IMMUNE DEFECT IN	CBA /N MICE, PART II: STUDIES OF THE MECHANISMS UNDERLYING THE IMMU	0946
CERTAIN STRUCTURAL ELEMENTS OF THE	CELL	2306
OF MILLIMETER-BAND EM WAVES IN THE	CELL AND CERTAIN STRUCTURAL ELEMENTS OF THE CELL	2306
RAT LYMPHOCYTES IN	CELL CULTURE EXPOSED TO 2450 MHZ (CW) MICROWAVE RADIATION	2799
RF	CELL CULTURE IRRADIATION SYSTEM WITH CONTROLLED TEMPERATURE AND FI	2728
ICAL STIMULATION OF SKELETAL MUSCLE	CELL CULTURES	1017
L FUNCTION AND VIRUS REPLICATION IN	CELL CULTURES IRRADIATED IN VITRO	1077
KARYOMETRIC OBSERVATIONS OF WISH	CELL CULTURES IRRADIATED WITH 3 GHZ MICROWAVES	2052
SUREMENTS ON NUCLEAR VOLUME IN WISH	CELL CULTURES IRRADIATIED WITH 3 GHZ EMR	1328
A METHOD FOR EXPOSING	CELL CULTURES TO EM FIELDS UNDER CONDITIONS OF CONTROLLED TEMPERAT	1686
Y OF ELECTROMAGNETICALLY CONTROLLED	CELL DEDIFFERENTIATION (IN JAPAN)	0068
: BIOCHEMICAL DEFECTS IN THE CANCER	CELL DEMONSTRATED BY THE EFFECTS OF EMR, GLUCOSE AND OXYGEN	0079
ENCY MAGNETIC FIELDS ON BONE MARROW	CELL DIVISION	0437
AGNETIC FIELD ON RED BLOOD CELLS: A	CELL ELECTROPHORETIC STUDY	0117
COAXIAL	CELL FOR LIQUID DIELECTRIC MEASUREMENTS FROM 300 TO 9000 MHZ	3339
L CONTENT OF BLOOD PLASMA AND LIVER	CELL FRACTIONS OF RODENTS	1079
EFFECT OF MICROWAVES ON	CELL FUNCTION AND VIRUS REPLICATION IN CELL CULTURES IRRADIATED IN	1077
INHIBITION OF BACTERIAL	CELL GROWTH BY 136 GC MICROWAVES	0657
QUANTITATIVE ANALYSIS OF YEAST	CELL INACTIVATION AFTER EXPOSURE TO SHF IRRADIATION. (IN RUSSIAN)	0338
A RECEPTORS ALONG EMBRYONIC MUSCLE	CELL MEMBRANE	1837
F MICROWAVE IRRADIATION IN VITRO ON	CELL MEMBRANE PERMEABILITY	1256
C ACID ON EHRLICH ASCITES CARCINOMA	CELL METABOLISM	0044
EFFECTS OF MICROWAVES ON THE	CELL METABOLISM OF THE RETICULO-HISTOCYTIC SYSTEM	1280
THE CIRCADIAN RHYTHM OF BONE MARROW	CELL MITOSIS	1814
ON ON MURINE PERIPHERAL WHITE BLOOD	CELL POPULATION	2345
E IRRADIATION ON BIOELECTRIC MUSCLE	CELL PROPERTIES AND ON WATER PERMEABILITY AND ITS DISTRIBUTION	0874
THE MINIMUM INACTIVATED	CELL RATIO: A CONCEPT FOR THE ESTIMATION OF BIOLOGICAL EFFECTIVENE	0247
SUPERIOR COLLICULUS	CELL RESPONSES TO ELECTRICAL STIMULATION OF THE RETINA	2222
TUMOR CURE AND	CELL SURVIVAL AFTER LOCALIZED RADIOFREQUENCY HEATING	2120
HOD FOR THE NONINVASIVE ANALYSIS OF	CELL SUSPENSION PHYSIOLOGY AND INDUCED PATHOPHYSIOLOGY	0054
ELECTRICAL PROPERTIES OF TISSUE AND	CELL SUSPENSIONS	1119
ELECTRICAL PROPERTIES OF TISSUE AND	CELL SUSPENSIONS	3380
VES ON THE RESPONSES OF WHITE BLOOD	CELL SYSTEM	2318
TS OF MICROWAVE RADIATION ON EMBRYO	CELL SYSTEMS	1090
CONDUCTIVITY OF ISOLATED BACTERIAL	CELL WALLS	1915
UENCY ELECTRIC FIELDS ON THE LIVING	CELL , I. BEHAVIOUR OF HUMAN ERYTHROCYTES IN HIGH-FREQUENCY ELECTRI	1692
ON OF T-AND B-LYMPHOCYTE LEVELS AND	CELL- MEDIATED IMMUNOCOMPETENCE BY HYPERTHERMIC RADIATION	0171
REACTION OF	CELL-MEDIATED IMMUNITY TO LOCAL HYPERTHERMIA OF TUMORS AND ITS POT	0340
DIFFERENTIAL HEATING OF	CELL-TYPES BY ABSORPTION OF MAGNETIC ENERGY	2328
ANSMISSION THROUGH NORMAL AND TUMOR	CELLS	0039
MICROWAVES PROBE FOR CANCER	CELLS	0669
WAVE CHARACTERISTICS OF HUMAN TUMOR	CELLS	0807
N VIRUS MULTIPLICATION IN MAMMALIAN	CELLS	1159
AND GAMMA-RAYS TO CULTURED MELANOMA	CELLS	1281
ADIATION ON CULTIVATED RAT KANGAROO	CELLS	1537
WAVE ABSORPTION BY NORMAL AND TUMOR	CELLS	1971
NONTHERMAL EFFECT OF MICROWAVES ON	CELLS	2209
RTAIN GENETIC ELEMENTS OF BACTERIAL	CELLS	2302
OF 2450 MHZ RADIATION ON MAMMALIAN	CELLS	2342
WAVE RADIATION ON APLYSIAN GANGLION	CELLS	2421
RADIATION ON NORMAL AND NEOPLASTIC	CELLS	2602
PIRICAL STUDIES OF LYMPHOID SPLENIC	CELLS	2756
NETIC AND ELECTROMAGNETIC FIELDS ON	CELLS	3006
EFFECT OF MAGNETIC FIELDS ON YEAST	CELLS (IN GERMAN)	2714
CTROKINETIC PROPERTIES OF MICROBIAL	CELLS (IN RUSSIAN)	0015
CTION IN PROCARYOTIC AND EUCARYOTIC	CELLS AND A POSSIBLE INTERACTION WITH X-RAYS	1137
TRICAL STRESS, II. EFFECTS ON BLOOD	CELLS AND BLOOD MINERALS	0144
ASED ON THE PRE-EXISTING ANATOMY OF	CELLS AND MOLECULAR MOTIONS	2986
MICROWAVE THAWING OF	CELLS AND ORGANS	1260
WING TO THE RECOVERY OF DEEP FROZEN	CELLS AND ORGANS: A REVIEW	0680
C AND MAGNETIC FIELDS ON BIOLOGICAL	CELLS AND OTHER PARTICLES (IN GERMAN)	1733
ORESCENCE POLARIZATION OF CHLORELLA	CELLS AND PEA CHLOROPLASTS ORIENTED IN A MAGNETIC FIELD	0197

CT OF EM WAVES ON THE REACTIVITY OF	CELLS AND TISSUES. IV. COMMUNICATION: EFFECT OF IRRADIATION WITH	2016
OF MICROWAVES ON NORMAL AND TUMOUR	CELLS AS SEEN BY LASER-RAMAN SPECTROSCOPY	1131
MODELS OF MEMBRANES OF CEREBRAL	CELLS AS SUBSTRATES FOR INFORMATION STORAGE	2608
RADIATION SENSITIZATION OF TUMOR	CELLS BY MICROWAVES--END OF OXYGEN PROBLEMS? (IN GERMAN)	2623
LOGICAL TRANSFORMATION OF MAMMALIAN	CELLS BY STRONG MAGNETIC FIELDS	0660
WAVE IRRADIATION ON CULTURED GLIOMA	CELLS I. AN ENZYMATIC AND SCANNING ELECTRON MICROSCOPY STUDY	0293
CTROPHORESIS: THE BEHAVIOR OF LONE	CELLS IN A NONUNIFORM ELECTRIC FIELD	2232
NISM OF CHARACTERISTIC BEHAVIOUR OF	CELLS IN AN ALTERNATING ELECTRIC FIELD	0563
C EFFECTS OF EMR ON CHINESE HAMSTER	CELLS IN CULTURE	1134
ESCRIPTION OF A SYSTEM TO IRRADIATE	CELLS IN CULTURE WITH MICROWAVES	2673
NCY EM FIELD UPON HAEMOPOIETIC STEM	CELLS IN MICE	0735
NT RECEPTOR-BEARING LYMPHOID SPLEEN	CELLS IN MICE	2066
IELD ON PROLIFERATION OF EPITHELIAL	CELLS IN THE MOUSE DUODENUM	0065
OF CONTROLLED EMR ON THE GROWTH OF	CELLS IN TISSUE	0267
WAVE EMR ON THE GROWTH OF MAMMALIAN	CELLS IN TISSUE CULTURE	2514
UENCY WAVE IRRADIATION OF MAMMALIAN	CELLS IN VITRO	0256
DIOSENSITIVITY AND RECOVERY OF EMT6	CELLS IN VITRO	2032
CHROMOSOMAL ABERRATIONS OF LIVING	CELLS INDUCED BY MICROWAVE RADIATION	1962
REAKAGE IN CULTURED CHINESE HAMSTER	CELLS INDUCED BY RADIO-FREQUENCY TREATMENT	0535
ONANT GROWTH RATE RESPONSE OF YEAST	CELLS IRRADIATED BY WEAK MICROWAVES	2697
MORPHOLOGICAL CHANGES IN THE	CELLS OF CORTI'S ORGAN FOLLOWING EXPOSURE TO MICROWAVES (IN POLISH	0990
ACTIVITY OF CERTAIN ENZYMES IN THE	CELLS OF CORTI'S ORGAN IN GUINEA PIGS FOLLOWING LONG-TERM EXPOSURE	1901
IN THE MEMBRANE POTENTIAL OF NERVE	CELLS OF ISOLATED GANGLIA IN THE MOLLUSK /PLANORBIS CORNEUS/ UNDER	1500
CT OF EMR ON THE HEMATOPOIETIC STEM	CELLS OF MICE	1075
RANULOCYTE AND MACROPHAGE PRECURSOR	CELLS OF MICE IN VITRO	0352
STUDIES ON ASCOPORES AND VEGETATIVE	CELLS OF SACCHAROMYCES CEREVISIAE EXPOSED TO MICROWAVES AT 2450 MH	2355
DIATION IN VITRO ON PERITONEAL MAST	CELLS OF THE RAT	2033
IVITY OF SUCCINATE DEHYDROGENASE IN	CELLS OF VARIOUS BRAIN STRUCTURES UNDER THE EFFECT OF UHF FIELD OF	1399
ALITY PATTERNS OF MOUSE SARCOMA 180	CELLS RESULTING FROM DIRECT HEALTH AND CHRONIC MICROWAVE IRRADIATI	3468
ON THE REACTIONS OF THE WHITE BLOOD	CELLS SYSTEM	3255
EFFECT OF MICROWAVE RADIATION ON	CELLS TREATED WITH MEMBRANE-INJURING SUBSTANCES	2717
BIOLOGICAL OXIDATION IN	CELLS UNDER THE INFLUENCE OF RADIOWAVES IN THE MILLIMETER RANGE	0060
MEASUREMENTS OF NITELLOPSIS OBTUSA	CELLS WITH INTRACELLULAR ELECTRODES	0870
LOW FREQUENCIES, MOTILE	CELLS , MEASUREMENTS AND MODELS, PART I (THE EFFECTS OF LOW FREQUEN	0636
GIANT MAST	CELLS--A SPECIAL DEGENERATIVE FORM PRODUCED BY MICROWAVE RADIATION	0651
OF MILLIMETER MICROWAVES IN LIVING	CELLS	0413
WAVE CHARACTERISTICS OF HUMAN TUMOR	CELLS	3262
GENEOUS MAGNETIC FIELD ON RED BLOOD	CELLS : A CELL ELECTROPHORETIC STUDY	0117
IC TIME CLOCKS OF NORMAL AND TUMOUR	CELLS : A LASER-RAMAN STUDY	3264
	CELLULAR AND LONGEVITY EFFECTS OF MICROWAVE RADIATION	0577
ERACTION OF MICROWAVE FIELDS AT THE	CELLULAR AND MOLECULAR LEVEL	0873
FECTS OF MICROWAVE RADIATION AT THE	CELLULAR AND MOLECULAR LEVEL	0896
ERACTION OF MICROWAVE FIELDS AT THE	CELLULAR AND MOLECULAR LEVEL	1255
FECTS OF MICROWAVE RADIATION AT THE	CELLULAR AND MOLECULAR LEVEL	3268
ERACTION OF MICROWAVE FIELDS AT THE	CELLULAR AND MOLECULAR LEVEL	3270
	CELLULAR EFFECTS OF MICROWAVE RADIATION	1536
	CELLULAR EFFECTS: MILLIMETER WAVES AND RAMAN SPECTRA- REPORT OF A	0392
THE INDUCTION OF	CELLULAR ORIENTATION BY LOW-LEVEL ELECTRICAL CURRENTS	2235
	CELLULAR RESPIRATION IN INTERMITTENT MAGNETIC FIELDS	2117
ND THEIR USES AS TOOLS FOR STUDYING	CELLULAR STRUCTURE)	0636
YS, AND MAGNETIC FIELDS ON LYMPHOMA	CELS IN VIVO	2332
ECTIVE ACTION OF DECIMETER WAVES ON	CENTRAL BRAIN STRUCTURES	0072
EF BY ELECTRICAL STIMULATION OF THE	CENTRAL GRAY MATTER IN HUMANS AND ITS REVERSAL BY NALOXONE	2858
PERCUTANEOUS	CENTRAL GRAY STIMULATION FOR CANCER PAIN	3421
	CENTRAL MECHANISM OF ACTION OF ELECTROMAGNETIC FIELDS	2492
	CENTRAL N ERVOUS SYSTEM RESPONSES TO MICROWAVE-INDUCED HEATING	2430
MAGNETIC FIELD OF A SOLENOID ON THE	CENTRAL NERVOUS SYSTEM	0727
APID INACTIVATION OF ENZYMES IN THE	CENTRAL NERVOUS SYSTEM	1034
ECTS OF MODULATED VHF FIELDS ON THE	CENTRAL NERVOUS SYSTEM	1060
S TO STUDY MICROWAVE EFFECTS ON THE	CENTRAL NERVOUS SYSTEM	1249
L CONDITION OF VARIOUS AREAS OF THE	CENTRAL NERVOUS SYSTEM	1348
THE CHOLINESTERASE ACTIVITY IN THE	CENTRAL NERVOUS SYSTEM	1353
E AND RADIO FREQUENCY ENERGY ON THE	CENTRAL NERVOUS SYSTEM	1538
THE INFLUENCE OF MICROWAVES ON THE	CENTRAL NERVOUS SYSTEM	1945
BIOELECTRIC ACTIVITY OF THE RABBIT	CENTRAL NERVOUS SYSTEM	1946

THE EFFECT OF MICRO WAVES ON THE	CENTRAL NERVOUS SYSTEM	1994
HISTOLOGICAL OBSERVATIONS ON	CENTRAL NERVOUS SYSTEM	2170
ROWAVE RADIATIONS ON TISSUES OF THE	CENTRAL NERVOUS SYSTEM	2552
MAGNETIC FIELDS IN INDUSTRY ON THE	CENTRAL NERVOUS SYSTEM (EEG DATA)	1426
ICROWAVE RADIATION EFFECTS UPON THE	CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS	0277
MICROWAVE EFFECTS ON	CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL FACTORS	2388
ENDOCRINE AND	CENTRAL NERVOUS SYSTEM EFFECTS OF MICROWAVE EXPOSURE	1600
URE TO PULSED MICROWAVES (RADAR) ON	CENTRAL NERVOUS SYSTEM EXCITABILITY IN LAB. ANIMALS	0637
ALYSIS OF MICROWAVE EFFECTS ON THE	CENTRAL NERVOUS SYSTEM IN EXPERIMENTAL ANIMALS	1250
PARTICIPATION OF THE	CENTRAL NERVOUS SYSTEM IN THE REGULATION OF CARBOHYDRATE METABOLIS	2327
ANALYSIS OF	CENTRAL NERVOUS SYSTEM INVOLVEMENT IN THE MICROWAVE AUDITORY EFFEC	1047
FECTS OF MICROWAVE EXPOSURES ON THE	CENTRAL NERVOUS SYSTEM OF BEAGLES	2510
ECT OF MICROWAVE IRRADIATION ON THE	CENTRAL NERVOUS SYSTEM OF RABBITS AND GUINEA PIGS	1492
OF THE EFFECTS OF MICROWAVES ON THE	CENTRAL NERVOUS SYSTEM OF THE PRIMATE	3408
VERY HIGH FREQUENCY (RADAR) ON THE	CENTRAL NERVOUS SYSTEM OF THE WHITE RAT. ELECTROCORTICOGRAPHICAL M	2628
ENSITIVITY OF PORTIONS OF THE HUMAN	CENTRAL NERVOUS SYSTEM TO 'SAFE' LEVELS OF MICROWAVE RADIATION	1929
OGICAL ANALYSIS OF RESPONSES OF THE	CENTRAL NERVOUS SYSTEM TO ELECTROMAGNETIC FIELDS	2480
AL ELECTRIC FIELDS ON THE MAMMALIAN	CENTRAL NERVOUS SYSTEM	0211
MAGNETIC AND MAGNETIC FIELDS ON THE	CENTRAL NERVOUS SYSTEM	3070
ECTIVE ACTION OF DECIMETER WAVES ON	CENTRAL STRUCTURES OF THE BRAIN	2793
MELY LOW-FREQUENCY MAGNETIC FIELDS:	CENTRAL-NERVOUS-SYSTEM EFFECTS AS MEASURED BY REACTION TIME	1752
	CENTRAL-NERVOUS-SYSTEM EFFECTS AS MEASURED BY REACTION TIME IN SQU	1297
CHROMOSOME STUDIES OF RADAR	CENTRE STAFF EXPOSED TO EMR (IN ITALIAN)	1007
F LARGE SOLID TUMOURS AT 50 DEGREES	CENTRIGRADE	2694
LECTROSHOCK ON ENERGY METABOLISM IN	CEREBELLAR LAYERS	2638
NCES ON THE EVOKED ACTIVIITY OF THE	CEREBELLUM UNDER THE EFFECT OF A CONSTANT MAGNETIC FIELD	0245
F RADIO-FREQUENCY ENERGY ON PRIMATE	CEREBRAL ACTIVITY	1993
	CEREBRAL AND PERIPHERAL CIRCULATION IN PERSONS HANDLING SOURCES OF	1499
EFFECT OF MICROWAVE RADIATION ON	CEREBRAL CATECHOLAMINE METABOLISM (IN RUSSIAN)	0011
MODELS OF MEMBRANES OF	CEREBRAL CELLS AS SUBSTRATES FOR INFORMATION STORAGE	2608
.F. FIELD UPON CERTAIN ZONES OF THE	CEREBRAL CORTEX	2024
IATION ON THE ULTRASTRUCTURE OF THE	CEREBRAL CORTEX AND ON HEMATOLOGIC PROFILES OF RATS	2766
IO-NEURONAL RELATIONSHIP IN THE RAT	CEREBRAL CORTEX DURING LONG-TERM EXPOSURE TO MICROWAVES	1462
ELECTRICAL REACTION OF THE RABBIT	CEREBRAL CORTEX TO VARIOUS EM FIELDS (IN RUSSIAN)	2000
DYNAMICS IN CHANGES OF THE	CEREBRAL ELECTRIC ACTIVITY IN PATIENTS WITH THE CLIMACTERIC SYNDRO	1409
PHYSIOLOGIC EFFECTS OF	CEREBRAL ELECTROTHERAPY CURRENTS	1676
EPHALIC AREA AND CORTEX OF RABBIT'S	CEREBRAL HEMISPHERES UNDER THE EFFECT OF BITEMPORAL DIATHERMY	1996
AND NITROGEN METABOLISM IN THE RAT	CEREBRAL HEMISPHERES	0429
THE SENSORIUM AND THE MODULATION OF	CEREBRAL STATES: TONIC ENVIRONMENTAL INFLUENCES ON LIMBIC AND RELA	2607
CALCIUM BINDING IN	CEREBRAL TISSUE	2679
N CALCIUM EFFLUX FROM CHICK AND CAT	CEREBRAL TISSUE	2727
IN RELEASE OF CALCIUM FROM CHICKEN	CEREBRAL TISSUE BY ELECTROMAGNETIC FIELDS	3395
MECHANISMS IN THE SUSCEPTIBILITY OF	CEREBRAL TISSUE TO ENVIRONMENTAL AND INTRINSIC ELECTRIC FIELDS	1383
SENSITIVITY OF CALCIUM BINDING IN	CEREBRAL TISSUE TO WEAK ENVIRONMENTAL ELECTRIC FIELDS OSCILLATING	0819
LUX OF CALCIUM AND AMINO ACIDS FROM	CEREBRAL TISSUE WITH WEAK, LOW-FREQUENCY ELECTRIC FIELDS	2310
INCREASED	CEREBROSPINAL FLUID LEVELS OF ENDORPHINS AFTER ELECTRO-ACUPUNCTURE	1189
ASSESSMENT OF	CEREBROVASCULAR HYDRAULIC INPUT IMPEDANCE	1883
TOCOCCUS FAECALIS AND SACCHAROMYCES	CEREVISIAE	1920
D VEGETATIVE CELLS OF SACCHAROMYCES	CEREVISIAE EXPOSED TO MICROWAVES AT 2450 MHZ	2355
DIFFICULTIES IN	CERTIFICATION ON MICROWAVE DISEASE (IN POL)	0324
	CERVICAL ENDOMETRIOSIS AS A COMPLICATION AFTER DIATHERMIC COAGULAT	1407
MICROWAVE EFFECT ON RABBIT SUPERIOR	CERVICAL GANGLION	1327
MICROWAVE EFFECT ON RABBIT SUPERIOR	CERVICAL GANGLION	2436
ATHERMIC COAGULATION OF THE UTERINE	CERVIX (IN BULGARIAN)	1407
DE CES ONDES SUR LA REPRODUCTION DE	CES ANIMAUX	2919
S: ETUDE PARTICULIERE DES EFFETS DE	CES ONDES SUR LA REPRODUCTION DE CES ANIMAUX	2919
THE MEASUREMENT OF CAMP AND	CGMP IN MICROWAVE IRRADIATED CHEST AND HEART MUSCLES (IN JAPAN)	0087
WAVES: PAST PERFORMANCES AND FUTURE	CHALLENGES	0080
HEROIDAL PHANTOMS IN AN IRRADIATION	CHAMBER	2193
IGNITABILITY OF ANECHOIC	CHAMBER FOAM BY ELECTRIC CURRENTS	0945
MINIATURE ANECHOIC	CHAMBER FOR CHRONIC EXPOSURE OF SMALL ANIMALS TO PLANE-WAVE MICROW	0420
ILE TEMPERATURE CONTROLLED EXPOSURE	CHAMBER FOR MICROWAVE BIOEFFECTS RESEARCH	1283
A MICROWAVE IRRADIATION	CHAMBER FOR SCIENTIFIC STUDIES ON AGRICULTURAL PRODUCTS	2146
TS (3 TO 300 MEGAHERTZ) IN SHIELDED	CHAMBERS	3619
VE ABSORBING MATERIALS AND ANECHOIC	CHAMBERS PART 2	3351

VE ABSORBING MATERIALS AND ANECHOIC	CHAMBERS PART 3	3350
VE ABSORBING MATERIALS AND ANECOHIC	CHAMBERS , PARTS I THRU IV	3306
THERMAL RADIATION IN METABOLIC	CHAMBERS	3224
MECHANISM OF	CHARACTERISTIC BEHAVIOUR OF CELLS IN AN ALTERNATING ELECTRIC FIELD	0563
RGANISM TO EM FIELDS WITH DIFFERENT	CHARACTERISTICS (IN RUSSIAN)	1401
MOLECULAR TRANSFER	CHARACTERISTICS OF AIR BETWEEN 40 AND 140 GHZ	3261
THE	CHARACTERISTICS OF BIOLOGIC EFFECTS OF MICROWAVES COMBINED WITH TH	1277
SURVEY OF MICROWAVE ABSORPTION	CHARACTERISTICS OF BODY TISSUES	1573
A CRITICAL STUDY OF THE	CHARACTERISTICS OF BROADCAST ANTENNAS AS AFFECTED BY ANTENNA CURRE	3491
DYNAMIC	CHARACTERISTICS OF CRAYFISH STRETCH RECEPTOR FOR MICROWAVE RADIATI	1948
	CHARACTERISTICS OF ELECTROMAGNETIC RADIATION FROM GAP-TYPE SPARK D	3181
THE PHYSICAL	CHARACTERISTICS OF EM FIELD INTERACTION WITH MOLECULAR SYSTEMS	2424
MICROWAVE	CHARACTERISTICS OF HUMAN TUMOR CELLS	0807
MICROWAVE	CHARACTERISTICS OF HUMAN TUMOR CELLS	3262
HEATING	CHARACTERISTICS OF LAB. ANIMALS EXPOSED TO TEN-CENTIMETER MICROWAV	0473
PHYSICAL	CHARACTERISTICS OF MICROWAVE AND OTHER RADIO FREQUENCY RADIATION	1522
	CHARACTERISTICS OF MICROWAVE-INDUCED COCHLEAR MICROPHONICS	2757
PHYSICAL	CHARACTERISTICS OF MICROWAVES AS RELATED TO BIOLOGICAL EFFECTS	1560
ABSORPTION	CHARACTERISTICS OF MULTI-LAYERED SPHERE MODELS EXPOSED TO UHF/MICR	1715
SOME	CHARACTERISTICS OF RETICULAR INFLUENCES ON THE EVOKED ACTIVIITY OF	0245
	CHARACTERISTICS OF THE BIOLOGICAL ACTION OF MILLIMETER RANGE RADIO	0091
MORPHOLOGICAL	CHARACTERISTICS OF THE BIOLOGICAL ACTION PRODUCED BY MAGNETIC FIEL	2494
GENRERAL	CHARACTERISTICS OF THE INFLUENCE OF MICROWAVE RADIATION AT HIGH IN	2256
	CHARACTERISTICS OF THE OCCUPATIONAL PATTERN OF PATIENTS WITH LEUKE	0025
RADIATION	CHARACTERISTICS OF TRAFFIC RADAR SYSTEMS	1702
RADIO INFLUENCE VOLTAGE	CHARACTERISTICS OF TRANSMISSION LINE ASSEMBLIES USING SEMI-CONDUCT	3105
MOLECULAR RESPONSE	CHARACTERISTICS TO ULTRA-HIGH FREQUENCY FIELDS	1562
DIELECTRICS.I. ALTERNATING CURRENT	CHARACTERISTICS	3208
(ROWAVES AND ULTRASOUND IN TISSUES:	CHARACTERISTICS	3323
SOME RECENT DEVELOPMENTS ON THE	CHARACTERIZATION AND MEASUREMENT OF HAZARDOUS EM FIELDS	0879
PATHOANATOMICAL	CHARACTERIZATION OF CHANGES INDUCED IN EXPERIMENTAL ANIMALS BY COM	1454
CLINICAL EPIDEMIOLOGICAL	CHARACTERIZATION OF CHRONIC LYMPHOID LEUKEMIA (IN RUSSIAN)	2068
EM INDUCED KINETIC EFFECTS ON	CHARGED SUBSTRATES IN LOCALIZED ENZYME SYSTEMS	1731
AMAGNETIC RESONANCE TO EVALUATE THE	CHEMICAL AND/OR PHYSICAL CHANGES IN THE LENSES OF EYES IRRADIATED	1581
THE EVALUATION OF	CHEMICAL MUTAGENICITY DATA IN RELATION TO POPULATION RISK	3085
USE OF	CHEMICAL PREPARATIONS DURING UHF EMR IRRADIATION: A REVIEW OF THE	0517
N OF GENETIC RISKS OF ENVIRONMENTAL	CHEMICALS	3027
E INCREASED EFFECTIVENESS OF CANCER	CHEMOTHERAPEUTIC AGENTS WHEN COMBINED WITH SIMULTANEOUS MICROWAVE	2325
ENHANCEMENT OF CANCER	CHEMOTHERAPY BY SELECTIVE ELECTROMAGNETIC HEATING OF TUMORS	3393
FREQUENCY EM FIELD FOR THE COMBINED	CHEMOTHERMAL TREATMENT OF BRAIN TUMORS	1240
OF SMALL MAMMAL POPULATIONS IN THE	CHEQUAMEGON NATIONAL FOREST DURING 1971 AND 1972	1751
MP AND CGMP IN MICROWAVE IRRADIATED	CHEST AND HEART MUSCLES (IN JAPAN)	0087
UR LES LESIONS VISCERALES OBSERVEES	CHEZ DES SOURIS ET DES RATS EXPOSES AUX ONDES ULTRA-COURTES: ETUDE	2919
EQUENCE SUR LE MECANISME DE TANNAGE	CHEZ TENEBRIO MOLITOR COLEPTERE	2432
UENCY FIELDS ON CALCIUM EFFLUX FROM	CHICK AND CAT CEREBRAL TISSUE	2727
EFFECTS OF MICROWAVE ON THE	CHICK EMBRYO	1467
	CHICK EMBRYO DEVELOPMENT IN A 26-KHZ EM FIELD	1014
ION WITH NEWCASTLE DISEASE VIRUS IN	CHICK EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN)	0817
ECT ELECTRICAL CURRENTS ON CULTURED	CHICK EMBRYO TRIGEMINAL GANGLIA	3267
EVELOPMENT, AND BIOCHEMISTRY OF THE	CHICK EMBRYO, GALLUS DOMESTICUS	0099
FFECT OF A PULSED MAGNETIC FIELD ON	CHICK EMBRYOS IN THE 48TH HOUR OF INCUBATION, AND ON HATCHING RATE	1559
EMBRYONIC	CHICK TIBIAE IN STEADY ELECTRIC FIELDS	0943
FIELDS ON GROWTH RATE OF EMBRYONIC	CHICK TIBIAE IN VITRO	0592
TS OF EM FIELDS ON FECUNDITY IN THE	CHICKEN	1089
FACTORS IN RELEASE OF CALCIUM FROM	CHICKEN CEREBRAL TISSUE BY ELECTROMAGNETIC FIELDS	3395
VIVAL OF CLOSTRIDIUM PERFRINGENS ON	CHICKEN COOKED WITH MICROWAVE ENERGY	2497
D ON THE ELECTRICAL CONDUCTIVITY OF	CHICKEN EGG PROTEINS AND YOLK DURING EARLY STAGES OF INCUBATION	0219
IC FIELDS OF TECHNICAL FREQUENCY ON	CHICKEN EMBRYOS	2351
T OF MICROWAVE HEATING OF PRECOOKED	CHICKEN ON CLOSTRIDIUM PERFRINGENS	2501
WAVE RADIATION ON EGGS, EMBRYOS AND	CHICKENS	2059
NETIC FIELDS ON THE GROWTH OF YOUNG	CHICKENS	2289
ON THE REPRODUCTIVE PERFORMANCE OF	CHICKENS	2687
E RADAR CROSS SECTIONS OF DUCKS AND	CHICKENS	3508
TATION BEHAVIOR OF RING-BILLED GULL	CHICKS (LARUS DELAWARENSIS) EXPOSED TO PROJECT SANGUINE'S ELECTRIC	1762
CONTINUOUS EXPOSURE OF	CHICKS AND RATS TO EM FIELDS	0753

ORIENTATION OF GULL	CHICKS EXPOSED TO PROJECT SANGUINE'S EM FIELD	0912
OLS AND PRELIMINARY OBSERVATIONS OF	CHICKS EXPOSED TO WEAK AMPLITUDE MODULATED 450 MHZ FIELDS	2661
RESPONSE OF GALLUS	CHICKS TO ELECTROSTATIC FIELDS	2696
LECTRICAL WIRING CONFIGURATIONS AND	CHILDHOOD CANCER	0105
IN THE THERAPY OF PYELONEPHRITIS IN	CHILDREN (IN RUSSIAN)	2072
ING THE USE OF PULSED EM THERAPY ON	CHILDREN UNDERGOING ORCHIDOPEXY	0856
Y ON THE ADRENOCORTICAL FUNCTION OF	CHILDREN WITH BRONCHIAL ASTHMA	0282
RADIATION EXPOSURE IN PARENTS OF	CHILDREN WITH MONGOLISM (DOWN'S SYNDROME)	2035
CYTOTOXIC EFFECTS OF EMR ON	CHINESE HAMSTER CELLS IN CULTURE	1134
CHROMOSOME BREAKAGE IN CULTURED	CHINESE HAMSTER CELLS INDUCED BY RADIO-FREQUENCY TREATMENT	0535
E HAMSTERS IN CORNEAL EPITHELIUM OF	CHINESE HAMSTERS	0098
RADIATION RESPONSES OF X-IRRADIATED	CHINESE HAMSTERS	0521
EIN SYNTHESIS AND ON CHROMOSOMES IN	CHINESE HAMSTERS	2507
C EFFECTS OF MICROWAVE RADIATION ON	CHINESE HAMSTERS	3056
BERRATIONS IN CORNEAL EPITHELIUM OF	CHINESE HAMSTERS IN CORNEAL EPITHELIUM OF CHINESE HAMSTERS	0098
MICROWAVE RADIATION AND	CHLORDIAZEPOXIDE : SYNERGISTIC EFFECTS ON FIXED INTERVAL BEHAVIOR	0103
ION OF FLUORESCENCE POLARIZATION OF	CHLORELLA CELLS AND PEA CHLOROPLASTS ORIENTED IN A MAGNETIC FIELD	0197
SOME PHOTOSYNTHETIC BACTERIA AND OF	CHLORELLA VULGARIS	0185
YSOZYME, EDTA, X-RAY, MICROWAVE AND	CHLORINE	1324
INCREASE OF THE YIELD OF (BACTERIO)	CHLOROPHYLL EMISSION OF SOME PHOTOSYNTHETIC BACTERIA AND OF CHLORE	0185
DICHROISM OF CHLOROPLASTS AND SUB-	CHLOROPLAST FRAGMENTS ORIENTED IN AN ELECTRIC FIELD	2704
X-RAY DIFFRACTION FROM	CHLOROPLAST MEMBRANES ORIENTED IN A MAGNETIC FIELD	1618
ORIENTATION AND LINEAR DICHROISM OF	CHLOROPLASTS AND SUB- CHLOROPLAST FRAGMENTS ORIENTED IN AN ELECTRI	2704
RIZATION OF CHLORELLA CELLS AND PEA	CHLOROPLASTS ORIENTED IN A MAGNETIC FIELD	0197
THE ELECTROPHOTOLUMINESCENCE OF	CHLOROPLASTS	3266
RVATION OF RF MAGNETIC FIELDS USING	CHOLESTERIC LIQUID CRYSTALS	3364
IGH FREQUENCY EM FIELD ON THE SERUM	CHOLESTEROL CONTENT OF RABBITS	0693
GES OF CYCLIC NUCLEOTIDES, DOPA AND	CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY	1326
ACETYCHOLINE AND	CHOLINE LEVELS IN THE RAT CORPUS STRIATUM AFTER MICROWAVE IRRADIAT	1518
THE EFFECT OF	CHOLINERGIC AGENTS ON THE OUTCOME OF ACUTE AFFECTION OF MICE IN IR	1397
FERENT RANGES OF EM RF WAVES ON THE	CHOLINESTERASE ACTIVITY IN THE CENTRAL NERVOUS SYSTEM	1353
F MICROWAVES ON BLOOD SERUM BUTYRYL	CHOLINESTERASE ACTIVITY IN VIVO	1510
OF MICROWAVE HEATING TO INACTIVATE	CHOLINESTERASE IN THE RAT BRAIN PRIOR TO ANALYSIS FOR ACETYLCHOLIN	2518
MICROWAVES ON THE REACTIVITY OF THE	CHORIOALIANTOIC MEMBRANE	2016
A NEW PHYSICAL METHOD OF CREATING	CHROMOSOMAL ABERRATIONS	0491
ON THE INDUCTION OF	CHROMOSOMAL ABERRATIONS BY 2450 MHZ MICROWAVE RADIATION	2344
MICROWAVE RADIATION-INDUCED	CHROMOSOMAL ABERRATIONS IN CORNEAL EPITHELIUM OF CHINESE HAMSTERS	0098
	CHROMOSOMAL ABERRATIONS OF LIVING CELLS INDUCED BY MICROWAVE RADIA	1962
	CHROMOSOME BREAKAGE IN CULTURED CHINESE HAMSTER CELLS INDUCED BY R	0535
	CHROMOSOME STUDIES OF RADAR CENTRE STAFF EXPOSED TO EMR (IN ITALIA	1007
T OF EXTREMELY LOW FREQUENCY EMR ON	CHROMOSOMES	2550
IC ULTRASOUND ON MATERNAL AND FETAL	CHROMOSOMES	2938
ROWAVES ON PROTEIN SYNTHESIS AND ON	CHROMOSOMES IN CHINESE HAMSTERS	2507
ON (2450 MHZ) ON THE MORPHOLOGY AND	CHROMOSOMES OF LYMPHOCYTES	2751
A SYSTEM FOR	CHRONIC BLOOD PRESSURE MEASUREMENT IN DOGS EXPOSED TO EXTREMELY LO	0865
ANCREATIC FUNCTION IN PATIENTS WITH	CHRONIC COLITIS (IN RUSSIAN)	1835
PHYSICAL TREATMENT METHODS IN	CHRONIC DISEASES OF VEINS	0259
N OF THE ENDOCRINE SYSTEM UNDER THE	CHRONIC EFFECT OF A SUPERHIGH FREQUENCY FIELD	1938
WOUNDS IN ANIMALS SUBJECTED TO THE	CHRONIC EFFECT OF SUPERHIGH FREQUENCY IRRADIATION OF LOW INTENSITY	1481
NILATERAL ELECTRIC SHOCK. ACUTE AND	CHRONIC EXPERIMENTAL EEG'S ON RABBIT (IN ITALIAN)	1892
D PERIODIC MICROWAVE IRRADIATION IN	CHRONIC EXPERIMENTS	1364
IAL PRESSURE DYNAMICS OF ANIMALS IN	CHRONIC EXPERIMENTS	1446
DIATION (2400 MHZ) IN CONDITIONS OF	CHRONIC EXPOSURE	0682
A SYSTEM FOR QUANTITATIVE	CHRONIC EXPOSURE OF A POPULATION OF RODENTS TO UHF FIELDS	1693
MINIATURE ANECHOIC CHAMBER FOR	CHRONIC EXPOSURE OF SMALL ANIMALS TO PLANE-WAVE MICROWAVE FIELDS	0420
IOLOGICAL AND BEHAVIORAL EFFECTS OF	CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES	0414
CHANGES IN THE BLOOD SYSTEM DURING	CHRONIC EXPOSURE TO A SUPERHIGH-FREQUENCY FIELD	2013
RDIOVASCULAR CHANGES RESULTING FROM	CHRONIC EXPOSURE TO AN ULTRAHIGH-FREQUENCY FIELD	1939
FAILURE OF	CHRONIC EXPOSURE TO NONTHERMAL FM RADIO WAVES TO MUTATE DROSOPHILA	2587
AND CARDIOVASCULAR DISORDERS DURING	CHRONIC EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS	2553
AND NEUROHYPOPHYSIS AS A RESULT OF	CHRONIC IRRADIATION WITH LOW INTENSITY CENTIMETER WAVELENGTHS	1352
AMMALIAN BRAINS :EFFECTS OF ACUTE &	CHRONIC IRRADIATIONS	0095
ARANCE OF FAST AND SLOW WAVES AFTER	CHRONIC IRRADIATIONS	0287
IOLOGICAL AND BEHAVIORAL EFFECTS OF	CHRONIC LOW LEVEL MICROWAVE RADIATION IN RATS	2165
STUDY OF THE EFFECTS OF	CHRONIC LOW LEVEL MICROWAVE RADIATION ON RABBITS	1127

	CHRONIC LOW-LEVEL EXPOSURE OF RABBITS TO MICROWAVES	2156
EPIDEMIOLOGICAL CHARACTERIZATION OF	CHRONIC LYMPHOID LEUKEMIA (IN RUSSIAN)	2068
RESPONSES OF BIOSYSTEMS TO	CHRONIC MICROWAVE EXPOSURE	2422
LS RESULTING FROM DIRECT HEALTH AND	CHRONIC MICROWAVE IRRADIATION	3468
EFFECTS OF	CHRONIC MICROWAVE IRRADIATION ON MICE	2294
EFFECTS OF	CHRONIC MICROWAVE IRRADIATION ON MICE	2896
EFFECT OF	CHRONIC MICROWAVE IRRADIATION ON THE BLOOD FORMING SYSTEM OF GUINE	0622
NDER THE INFLUENCE OF LOW INTENSITY	CHRONIC MICROWAVE IRRADIATIONS	1445
PERFORMANCE EFFECTS OF	CHRONIC MICROWAVE RADIATION	2288
LECTROCOAGULATION IN THE CONTROL OF	CHRONIC PAIN	0931
SCREENING PROCEDURE RELIEVES	CHRONIC PAIN	0976
MULATION AS AN ANALGESIC MEASURE IN	CHRONIC PAIN	0143
	CHRONIC PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSC	3414
CTS ON RAT OFFSPRING OF NON-THERMAL	CHRONIC PRENATAL MICROWAVE IRRADIATION	2340
CTS ON RAT OFFSPRING OF NON-THERMAL	CHRONIC PRENATAL MICROWAVE IRRADIATION	2881
L NERVE INJURY FROM IMPLANTATION OF	CHRONIC STIMULATING ELECTRODES FOR PAIN CONTROL	1878
ULTRASOUND AND MICROWAVE THERAPY OF	CHRONIC TONSILLITIS IN EPILEPTIC PATIENTS	1928
THE EFFECT OF	CHRONIC , LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE	2385
THE EFFECT OF	CHRONIC , LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE	2892
EFFECT OF	CHRONIC . LOW LEVEL MICROWAVE RADIATION ON THE INCIDENCE OF CATARAC	3021
F BRAIN SYNAPSES IN RABBITS EXPOSED	CHRONICALLY TO THE ACTION OF MICROWAVES	1947
GLOBULIN, ACETYLCHOLINESTERASE, AND	CHYMOTRYPSIN FOLLOWING RADIOFREQUENCY IRRADIATION	1983
A LIMITED EVALUATION OF	CICOIL 'PERSONAL RF RADIATION HAZARD DETECTOR'	0214
OWAVE HEATING TO CONTROL INSECTS IN	CIGARETTE MANUFACTURE	1801
BIOELECTRIC CONTROL OF	CILIARY ACTIVITY	19[illegible]
BEHAVIOUR OF THE	CILIATE , PARAMECIUM BURSARIA FOCKE, IN EM FIELD	1913
	CIRCADIAN ACTIVITY RHYTHM INFLUENCED BY NEAR ZERO MAGNETIC FIELD	0688
FFECTS OF A FIELD FREE SPACE ON THE	CIRCADIAN ACTIVITY RHYTHM OF THE HOUSE SPARROW, PASSER DOMESTICUS	2163
MICROWAVE IRRADIATION AND THE	CIRCADIAN RHYTHM OF BONE MARROW CELL MITOSIS	1814
TION AND RESYNCHRONIZATION OF HUMAN	CIRCADIAN RHYTHMS	0673
EM FORCES AND	CIRCADIAN RHYTHMS	1166
EVEL, LOW-FREQUENCY FIELDS ON HUMAN	CIRCADIAN RHYTHMS	2420
ELF-EFFECTS ON HUMAN	CIRCADIAN RHYTHMS	2651
	CIRCADIAN RHYTHMS IN PLANTS, INSECTS AND MAMMALS EXPOSED TO ELF MA	1781
HUMAN	CIRCADIAN RHYTHMS UNDER THE INFLUENCE OF WEAK ELECTRIC FIELDS AND	2123
ELECTRIC AND MAGNETIC FIELDS NEAR A	CIRCULAR LOOD AT 27 MHZ	3310
ENERGY ABSORPTION PATTERNS IN	CIRCULAR TRIPLE-LAYERED TISSUE CYLINDERS EXPOSED TO PLANE WAVE SOU	0851
L ELECTROMAGNETIC SCATTERING FROM A	CIRCULAR TUBE OF FINITE LENGTH	3303
	CIRCULAR-APERTURE AXIAL POWER DENSITY	3182
THE DESIGN AND PERFORMANCE OF A	CIRCULARLY POLARIZED DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATH	2456
ILAYER TISSUE SPHERES AND EFFECT OF	CIRCULATION	2447
CROWAVE DIATHERMY ON THE PERIPHERAL	CIRCULATION AND ON TISSUE TEMPERATURE IN MAN	0481
CEREBRAL AND PERIPHERAL	CIRCULATION IN PERSONS HANDLING SOURCES OF ULTRAHIGH RADIO FREQUEN	1499
LIMINARY STUDIES ON THE HEATING AND	CIRCULATORY EFFECTS OF MICROWAVES 'RADAR'	3373
STRENGTH OF EMISSIONS FROM	CITIZENS RADIO SERVICE TRANSCEIVERS	3626
PULSED SHORT WAVES IN INTERMITTENT	CLAUDICATION	0490
ECTRIC RESPONSE OF THE ALGA NITELLA	CLAVATA	1583
THE	CLINIC , PATHOGENESIS, TREATMENT, AND OUTCOME OF RADIOWAVE SICKNESS	1441
T-SURGICAL MEASURES AND COMPARATIVE	CLINICAL ANALYSIS OF ORAL TISSUE RESPONSES TO A TYPE OF EM ENERGY	2339
	CLINICAL AND BIOLOGICAL STUDIES OF LOCALIZED HYPERTHERMIA	0161
	CLINICAL AND HYGIENIC ASPECTS OF EXPOSURE TO EM FIELDS	1539
	CLINICAL AND ULTRASTRUCTURAL INVESTIGATIONS OF ELECTRICAL ENHANCEM	2244
ND MICROWAVE THERMOGRAPHY: POSSIBLE	CLINICAL APPLICATIONS	0264
	CLINICAL APPLICATIONS OF ELECTRIC CURRENT REMAIN LARGELY UNEXPLORE	1220
ERMOGRAPHY: PRINCIPLES, METHODS AND	CLINICAL APPLICATIONS	0261
TISSUES. PART II. PHYSIOLOGICAL AND	CLINICAL ASPECTS	2945
EXPERIMENTAL AND	CLINICAL ASPECTS OF HYPERTHERMIA APPLIED TO THE TREATMENT OF CANCE	1225
	CLINICAL ASPECTS OF NONIONIZING RADIATION	0746
	CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS	0627
	CLINICAL ASPECTS OF THE STIMULATION OF BONE HEALING USING ELECTRIC	0288
	CLINICAL EPIDEMIOLOGICAL CHARACTERIZATION OF CHRONIC LYMPHOID LEUK	2068
	CLINICAL EVALUATION OF DIAPULSE AS ADJUNCTIVE THERAPY FOLLOWING FO	1812
PRELIMINARY	CLINICAL EVALUATION OF THE EFFECT OF SMALL ELECTRICAL CURRENTS ON	2780
ICROWAVE DIATHERMY IN OPTHALMOLOGY:	CLINICAL EVALUATION	3370
	CLINICAL EXPERIENCES WITH LOW INTENSITY DIRECT CURRENT STIMULATION	2779

	CLINICAL FEATURES OF THE EFFECT OF ELECTROMAGNETIC FIELD IN CONTAC	0210
ETER-WAVE THERMOGRAPHY: PRELIMINARY	CLINICAL FINDINGS IN HEAD AND NECK DISEASES	0271
THE PROBLEM OF	CLINICAL HYPERTHERMIA	2551
IOLOGICAL PHENOMENA ('EFFECTS') AND	CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENC	0483
IOLOGICAL PHENOMENA ('EFFECTS') AND	CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENC	0484
IOLOGICAL PHENOMENA ('EFFECTS') AND	CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENC	3144
F REPORTED BIOLOGICAL PHENOMENA AND	CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENC	3595
IOLOGICAL PHENOMENA ('EFFECTS') AND	CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENC	3622
	CLINICAL MANIFESTATIONS OF REACTIONS TO MICROWAVE IRRADIATION IN V	0885
F REPORTED BIOLOGICAL PHENOMENA AND	CLINICAL MANIFESTINGS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY	3594
POTENTIAL MICROWAVE INJURIES IN	CLINICAL MED	1008
FOR BACTERIAL DECONTAMINATION IN A	CLINICAL MICROBIOLOGY LABORATORY	2786
	CLINICAL MICROWAVE CATARACTS	1530
E URINARY BLADDER: EXPERIMENTAL AND	CLINICAL RESULT. (IN GERMAN)	0216
PRELIMINARY	CLINICAL RESULTS OF 433 MEGAHERTZ MICROWAVE THERAPY AND RADIATION	2336
AND CARDIAC PACEMAKERS--REPORT OF A	CLINICAL STUDY	2969
A	CLINICAL STUDY OF THE RESULTS OF EXPOSURE OF LAB. PERSONNEL TO RAD	0468
RESULTS OF	CLINICAL SURVEYS FOR MICROWAVE OCULAR EFFECTS (DHEW-FDA 73-8031)	2967
	CLINICAL SYNDROMES ARISING UNDER THE EFFECT OF VARIOUS RADIO FREQU	2007
THE	CLINICAL TESTING OF MALE GONAD SHIELDS	3620
PRELIMINARY	CLINICAL TRIALS OF ELECTROPHORETIC IONIZATION IN THE TREATMENT OF	0023
F HYPERTHERMIA IN ANIMAL MODELS AND	CLINICAL TRIALS	0190
	CLINICO-MORPHOLOGICAL AND BIOCHEMICAL CHANGES IN EXPERIMENTAL MICR	1867
LEVEL MICROWAVE IRRADIATION IN THE	CLOSED-SPACE SITUATION	1541
LOCAL X-IRRADIATION AND APATHOGENIC	CLOSTRIDA	0236
PROGRESS IN	CLOSTRIDIAL ONCOLYSIS AND DIAGNOSIS	2817
THERAPY, MICROWAVE HYPERTHERMIA AND	CLOSTRIDIAL ONCOLYSIS ON EXPERIMENTAL MOUSE TUMORS	0323
OWAVE HYPERTHERMIA AND ONCOLYSIS BY	CLOSTRIDIUM (IN GERMAN)	2634
AVE HEATING OF PRECOOKED CHICKEN ON	CLOSTRIDIUM PERFRINGENS	2501
SURVIVAL OF	CLOSTRIDIUM PERFRINGENS ON CHICKEN COOKED WITH MICROWAVE ENERGY	2497
ON CORYNEBACTERIUM DIPHTHERIAE AND	CLOSTRIDIUM WELCHII TOXINS	1294
F UHF ELECTRICAL FIELD ON THE BLOOD	CLOTTING SYSTEM IN ANIMALS (IN RUSSIAN)	2226
EDO ON THE HEIGHT OF THE SUN AND ON	CLOUDINESS	3452
BIOLOGICAL EFFECTS OF	CM-WAVES AND DM-WAVES	3476
CED BY MICROWAVE RADIATION AT 55 MW/	CM2	0181
THE INITIAL FUNCTIONAL STATE OF THE	CNS	1459
IONS ON BIOCHEMILUMINESCENCE OF THE	CNS AND LIVER TISSUES (IN UKR)	0071
A STUDY TO EXPLORE NEW THERAPY FOR	CNS LEUKEMIA	2326
CTS OF NONIONIZING RADIATION ON THE	CNS , BEHAVIOR, AND BLOOD: A PROGRESS REPORT	0257
EFFECTS OF MAGNETISM ON THROMBOCYTE	COAGULATION	0272
ICROCALORIMETRY OF THE PROCESSES OF	COAGULATION IN NORMAL CONDITIONS AND AFTER EXPOSURE TO A CONSTANT	0952
AS A COMPLICATION AFTER DIATHERMIC	COAGULATION OF THE UTERINE CERVIX (IN BULGARIAN)	1407
MICROWAVE RADIATION ON HUMAN BLOOD	COAGULATION PROCESSES	0676
	COAGULATION PROPERTIES OF PLATELETS IN CONSTANT MAGNETIC FIELD	0090
DS OF HIGH INTENSITIES ON THE BLOOD	COAGULATION SYSTEM	1480
MICROWAVE TISSUE	COAGULATOR	0193
OR RATS USED IN MICROWAVE RESEARCH:	COATING WITH QUININE	1009
OR RATS USED IN MICROWAVE RESEARCH:	COATING WITH QUININE	2904
A	COAXIAL AIR LINE MICROWAVE EXPOSURE SYSTEM: RESPIRATORY ACTIVITY O	2175
	COAXIAL CELL FOR LIQUID DIELECTRIC MEASUREMENTS FROM 300 TO 9000 M	3339
S EMPLOYING PRECISON AIR-DIELECTRIC	COAXIAL LINES	3343
A	COAXIAL PATHWAY FOR RECORDING FROM THE CAT BRAIN STEM DURING ILLUM	1037
T OF SMALL REFLECTIONS IN PRECISION	COAXIAL TRANSMISSION LINES	3346
ELECTRICAL PARAMETERS OF PRECISION	COAXIL , AIR DIELECTRIC TRANSMISSION LINES	3530
ION ON THE CONTENT OF IRON, COPPER,	COBALT AND METALLIC PROTEINS BONDED WITH THEM IN ORGANS AND TISSUE	1498
ACTION OF CORTI'S ORGAN AND THE	COCHLEA : A NEW THEORY	1073
HARACTERISTICS OF MICROWAVE-INDUCED	COCHLEAR MICROPHONICS	2757
	COCHLEAR MICROPHONICS GENERATED BY MICROWAVE PULSES	1207
MICROWAVE-INDUCED	COCHLEAR MICROPHONICS IN CATS	1158
CONTROL OF THE NEW YORK CITY HEALTH	CODE PERTAINING TO MICROWAVE OVENS	3623
	COHERENT ELECTRIC VIBRATIONS IN BIOLOGICAL SYSTEMS AND THE CANCER	0042
PRODUCED BY EXTREMELY LOW LEVELS OF	COHERENT RADIATION	0947
IVITY IN ASPERGILLUS ORYZAE (AHLB.)	COHN (STRAIN OF MOSCOW STATE UNIVERSITY)	2828
LD UNIFORMITY AROUND NEAR-HELMHOLTZ	COIL CONFIGURATIONS	3309
ENCY FIELD DISTRIBUTION SURROUNDING	COILS FOR INTRAUTERINE DIAGNOSTIC PROCEDURES	1959

HIGH-FREQUENCY FIELDS IN SOLENOIDAL	COILS	3311
MEASURE OF ENZYMATIC ACTIVITY	COINCIDENT WITH 2450 MHZ MICROWAVE EXPOSURE	1323
VE HYPERTHERMIA, STREPTOLYSIN S AND	COLCEMIDE	2753
REVERSAL OF	COLD-INDUCED DORMANCY OF UREDOSPORES BY MICROWAVE AND INFRARED IRR	3473
ENERGY ON EGGS OF TENEBRIO MOLITOR (	COLEOPTERA : TENEBRIONIDAE)	0985
ADIOFREQUENCY ELECTRICAL TREATMENT (	COLEOPTERA : TENEBRIONIDAE)	1927
CHANGES IN ADULT TENEBRIO MOLITOR (	COLEOPTERA : TENEBRIONIDAE) RESULTING FROM RADIOFREQUENCY OR HEAT T	1976
YELLOW MEALWORM, TENEBRIO MOLITOR (	COLEOPTERA : TENEBRIONIDAE), FOLLOWING EXPOSURE TO RADIOFREQUENCY E	0493
HER EXPERIMENTS ON TENEBRIO MOLITOR	COLEOPTERON	2408
ME DE TANNAGE CHEZ TENEBRIO MOLITOR	COLEPTERE	2432
NTERNAL CONDUCTIVITY OF ESCHERICHIA	COLI	2499
X-BAND MICROWAVE IRRADIATIONS ON E.	COLI	2814
UENCY ELECTRIC FIELD ON ESCHERICHIA	COLI	3470
ON OF ELECTRIC FIELD ON ESCHERICHIA	COLI (IN RUSSIAN)	1634
EFFECT OF MICROWAVES ON ESCHERICHIA	COLI AND BACILLUS SUBTILIS	0486
DESTRUCTION OF ESCHERICHIA	COLI AND SOLMONELLA TYPHIMURIUM IN MICROWAVE-COOKED SOUPS	0814
S ON THE TRANSFORMING ABILITY OF E.	COLI DNA	2467
T OF A CONSTANT MAGNETIC FIELD ON E	COLI ENZYME ACTIVITY	2483
.6 GHZ PULSED EMR ON AN ESCHERICHIA	COLI REPAIR-DEFICIENT MUTANT	0227
C FUNCTION IN PATIENTS WITH CHRONIC	COLITIS (IN RUSSIAN)	1835
INTERNATIONAL	COLLABORATION ON THE HEALTH EFFECTS OF NONIONIZING RADIATION	0285
DIELECTRIC PROPERTIES OF HYDRATED	COLLAGEN	0010
CTS OF AN ELECTRIC FIELD ON SOLUBLE	COLLAGEN	0915
ELECTRICAL PROPERTIES OF WET	COLLAGEN	2089
DIELECTRIC RELAXATION OF	COLLAGEN IN AQUEOUS SOLUTIONS	0031
CTS OF SMALL ELECTRICAL CURRENTS ON	COLLAGEN IN SOLUTION	0854
VELOPMENT OF ARTERIAL AND LYMPHATIC	COLLATERALS (AN EXPERIMENTAL STUDY)	2810
SUPERIOR	COLLICULUS CELL RESPONSES TO ELECTRICAL STIMULATION OF THE RETINA	2222
Y FIELDS ON THE ZETA-POTENTIAL OF A	COLLOIDAL SUSPENSION	3222
HE ELECTROPHORETIC MOBILITY OF SOME	COLLOIDS	0662
HE ELECTROPHORETIC MOBILITY OF SOME	COLLOIDS	3221
THE EFFECT OF HYPERTHERMIA ON HUMAN	COLON CANCER XENOGRAFTS IN NUDE MICE	0337
OPERANT BEHAVIOR AND	COLONIC TEMPERATURE OF SQUIRREL MONKEYS (SAIMIRI SCIUREUS) DURING	2539
KINETICS OF MOUSE HEMATOPOIETIC	COLONY-FORMING UNITS FOLLOWING INJURY BY 2450 MHZ MICROWAVE IRRADI	3386
CY IN ORDER TO ENHANCE ONCOLYSIS BY	COLOSTRIDIUM BUTYRICUM (STRAIN M 55) (IN GERMAN)	1806
ORIENTATION OF HOMING PIGEONS (	COLUMBIA LIVIA) EXPOSED TO EM FIELDS AT PROJECT SANGUINE'S WISCONS	1755
F THE EARTH'S MAGNETIC FIELD ON THE	COMB BUILDING ORIENTATION OF HORNETS	0304
F INSULIN DEFICIENCY ON EXPOSURE TO	COMMERCIAL-FREQUENCY ALTERNATING MAGNETIC FIELD	0249
GEST OF CURRENT LIT. AND A FORUM OF	COMMUNICATION	1414
GEST OF CURRENT LIT. AND A FORUM OF	COMMUNICATION	1415
GEST OF CURRENT LIT. AND A FORUM OF	COMMUNICATION	1416
GEST OF CURRENT LIT. AND A FORUM OF	COMMUNICATION	1417
GEST OF CURRENT LIT. AND A FORUM OF	COMMUNICATION	1418
GEST OF CURRENT LIT. AND A FORUM OF	COMMUNICATION	1419
N DETERMINING PROTECTION FOR METALLIC	COMMUNICATION CIRCUITS	3117
STICLES AND EPIDIDYMIDES OF RABBIT,	COMMUNICATION I	2502
EANS TO EXPLORE THE POSSIBLILITY OF	COMMUNICATION IN BIOLOGICAL SYSTEMS	1669
	COMMUNICATION IN BIRD FLOCKS: AN EM MODEL	1671
ELECTRIC	COMMUNICATION IN FISH: CERTAIN SPECIES OF FISH PRODUCE ELECTRIC SI	0502
S ASSOCIATED WITH THE NAVY SEAFARER	COMMUNICATION SYSTEM	1885
ES OF THE EXTREMELY LOW FRE- QUENCY	COMMUNICATION SYSTEM (A BIBLIOGRAPHY W/ABSTRACTS)	0331
DESIGN OF MILLIMETER WAVE	COMMUNICATION SYSTEMS	3456
AN EVALUATION OF SELECTED SATELLITE	COMMUNICATION SYSTEMS AS SOURCES OF ENVIRONMENTAL MICROWAVE RADIAT	1284
AN EVALUATION OF SELECTED SATELLITE	COMMUNICATION SYSTEMS AS SOURCES OF ENVIRONMENTAL MICROWAVE RADIAT	3237
ACTIVITY OF CELLS AND TISSUES. IV.	COMMUNICATION : EFFECT OF IRRADIATION WITH RED-LIGHT AND MICROWAVES	2016
ETRY STANDARD FOR EMERGENCY MEDICAL	COMMUNICATIONS	1427
ULSE (EMP) ON STATE AND LOCAL RADIO	COMMUNICATIONS	3073
OM THE HAZARDS OF EMR FROM MILITARY	COMMUNICATIONS AND RADAR SYSTEMS	0311
HE VICINITY OF VEHICLES WITH MOBILE	COMMUNICATIONS EQUIPMENT AND A HAND-HELD WALKIE TALKIE	0167
ERVIEW AND STATUS OF THE NAVY'S ELF	COMMUNICATIONS SYSTEM CONCEPT	1667
ESEARCH FOR EXTREMELY LOW FREQUENCY	COMMUNICATIONS SYSTEMS	1683
MAGNETIC FIELDS ASSOCIATED WITH ELF	COMMUNICATIONS SYSTEMS	0394
DIOWAVES AND MICROWAVES)-- EURASIAN	COMMUNIST COUNTRIES	2579
ELECTROMAGNETIC	COMPATIBILITY - AN OVERVIEW	3025
PROJECT SANGUINE'S ENVIRONMENTAL	COMPATIBILITY ASSURANCE PROGRAM	2275

INTERFERENCE AND	COMPATIBILITY MONITORING AND MEASUREMENTS FOR UHF SATELLITE EARTH	3510
ELECTROMAGNETIC	COMPATIBILITY OF CARDIAC PACEMAKERS	2270
THE	COMPATIBILITY OF MAN IN THE MICROWAVE ENVIRONMENT	0505
	COMPATIBILITY OF WEAK MAGNETIC ELF FIELDS	2832
EXPANDED LAB	COMPLIANCE TESTING INITIATED FOR TV'S AND OVENS	1288
SONIC BRAIN EXAMINATION -360 DEGREE	COMPOUND SCAN	3377
TER-BAND EMR ON BIOLOGICALLY ACTIVE	COMPOUNDS	2307
N BETWEEN MICROWAVE AND NEUROACTIVE	COMPOUNDS	2663
	COMPUTATION OF PERSONNEL EXPOSURE IN MICROWAVE LEAKAGE FIELDS AND	2392
	COMPUTATION OF THE EM FIELDS AND INDUCED TEMPERATURES WITHIN A MOD	1043
ELECTROPHORESIS OF	CONCANAVALIN A RECEPTORS ALONG EMBRYONIC MUSCLE CELL MEMBRANE	1837
DIUM PENTOBARBITAL ON ACETYLCHOLINE	CONCENTRATION IN MOUSE BRAIN REGIONS	1202
OF A CONSTANT MAGNETIC FIELD ON THE	CONCENTRATION OF FREE RADICALS IN THE ORGANS AND TISSUES OF MICE	2488
F THE AUTONOMIC NERVE SUPPLY ON THE	CONCENTRATION OF GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE AND THE ACTI	1699
, COPPER, AND ALLIED METALLOPROTEIN	CONCENTRATIONS IN BLOOD AND ORGANS (EXPERIMENTAL STUDY)'	2841
NCY PULSED ELECTROMAGNETIC FIELD ON	CONCEPTION AND THE COURSE OF PREGNANCY IN WHITE MICE	2875
CT OF A DISCHARGE OF A HIGH-VOLTAGE	CONDENSER ON THE OPTIC PROPERTIES OF THE FROG CARDIAC MUSCLE (IN R	1398
	CONDITIONED CONTROL OF CARDIAC ACTIVITY AND RESPIRATION, AND MORPH	1308
	CONDITIONED REFLEX ACTIVITY IN DOGS UNDER LOCAL INFLUENCE OF A V.H	2024
F 191 AND 155 MHZ MICROWAVES ON THE	CONDITIONED REFLEX ACTIVITY OF ANIMALS	1349
NT MAGNETIC FIELD ON ELABORATION OF	CONDITIONED REFLEXES IN MICE UNDER FOOTHILL AND ALPINE CONDITIONS	0273
THE USE OF	CONDITIONED REFLEXES TO STUDY MICROWAVE EFFECTS ON THE CENTRAL NER	1249
	CONDITIONED TASTE AVERSIONS IN THE RAT INDUCED BY A SINGLE EXPOSUR	2444
LONG TERM RESULTS OF PERIPHERAL	CONDITIONING STIMULATION AS AN ANALGESIC MEASURE IN CHRONIC PAIN	0143
IONS OF EXCITABILITY AND OF NERVOUS	CONDUCTION UNDER THE INFLUENCE OF MICROWAVES (IN FRENCH)	0818
	CONDUCTION VELOCITY IN NERVE EXPOSED TO A HIGH MAGNETIC FIELD	2565
ER ABSORPTION BY RECTANGULAR-SHAPED	CONDUCTIVE DIELECTRIC SAMPLES IN STRIPLINE	1646
ASURING THE COMPLEX PERMITTIVITY OF	CONDUCTIVE MATERIALS AT MICROWAVE FREQUENCIES	3141
DETERMINATION OF THE IN SITU GROUND	CONDUCTIVITY AND RELATIVE DIELECTRIC CONSTANT VIA THE TWO-LOOP MET	3049
S WITH HIGH DIELECTRIC CONSTANT AND	CONDUCTIVITY AT ULTRAHIGH FREQUENCIES	3338
ERMIA BY LOCAL EM HEATING AND LOCAL	CONDUCTIVITY CHANGE	1909
THERMAL	CONDUCTIVITY MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL FLUIDS AN	3542
CHANGES IN	CONDUCTIVITY OF ALAMETICIN-MODIFIED PHOSPHOLIPID MEMBRANES IRRADIA	0002
CAPACITY AND	CONDUCTIVITY OF BODY TISSUES AT UHF	0559
OF MAGNETIC FIELD ON THE ELECTRICAL	CONDUCTIVITY OF CHICKEN EGG PROTEINS AND YOLK DURING EARLY STAGES	0219
THE	CONDUCTIVITY OF DIELECTRIC CONSTANT OF A SPHERE DETERMINED BY SCAT	3563
INTERNAL	CONDUCTIVITY OF ESCHERICHIA COLI	2499
L PROPERTIES OF MICROORGANISMS III.	CONDUCTIVITY OF ISOLATED BACTERIAL CELL WALLS	1915
ING THE DIELECTRIC CONSTANT AND THE	CONDUCTIVITY OF MEMBRANE-BOUNDED PARTICLES OF BIOLOGICAL RELEVANCE	1934
ABSORPTION RATE IN THE ELLIPSOIDAL	CONDUCTOR AND DIELECTRIC MODELS OF HUMANS AND MONKEYS AT RADIO FRE	2737
STUDY OF THE CORONA OERFORMANCE OF	CONDUCTOR BUNDLES FOR 1200 KV TRANSMISSION LINES	3565
RRENT NEAR A BURIED HORIZONTAL BARE	CONDUCTOR IN A TWO-LAYER EARTH	1635
ERECTION OF SUPPORT STRUCTURES AND	CONDUCTORS (OPINION NO. 76-12)	3150
BRATION AND SUB-SPAN OSCILLATION OF	CONDUCTORS AND QUESTIONS OF THEIR LIMITATIONS	3592
SELECTION OF	CONDUCTORS AND THEIR CONFIGURATION FOR OVERHEAD LINES WITH ALLOWAN	3593
SIS OF AUDIBLE NOISE PERFORMANCE OF	CONDUCTORS AT 775 KV	3115
FECTS OF APPLIED CURRENTS ON TURTLE	CONES IN DARKNESS AND DURING THE PHOTORESPONSE	2640
SELECTION OF CONDUCTORS AND THEIR	CONFIGURATION FOR OVERHEAD LINES WITH ALLOWANCES FOR CORONA LOSSES	3593
ELECTRICAL WIRING	CONFIGURATIONS AND CHILDHOOD CANCER	0105
IFORMITY AROUND NEAR-HELMHOLTZ COIL	CONFIGURATIONS	3309
THERAPEUTIC POTENTIAL OF	CONFORMAL APPLICATORS FOR INDUCTION OF HYPERTHERMIA	0258
AND IONIZING RADIATION IN TRIBOLIUM	CONFUSUM	0035
IVE AGENT AGAINST THE PRODUCTION OF	CONGENITAL ANOMALIES IN MOUSE FETUSES EXPOSED TO EMR	1615
BRYOLOGICAL SIGNIFICANCE OF INDUCED	CONGENITAL ANOMALIES	2886
RS ASSOCIATED WITH THE INCIDENCE OF	CONGENITAL ANOMALIES: A LOCALIZED INVESTIGATION	3140
	CONGENITAL MALFORMATIONS IN THE RAT FOLLOWING INDUCED HYPERTHERMIA	2917
TREATMENT OF	CONGENITAL PSEUDARTHROSIS OF THE TIBIA WITH DIRECT CURRENT	2778
ELECTROMAGNETIC SPECTRUM	CONGESTION INVESTIGATION	2965
RADIATION GIVEN PRIORITY STATUS BY	CONGRESS	2468
1969 ANNUAL REPT. TO THE	CONGRESS ON THE ADMINISTRATION OF RADIATION CONTROL FOR HEALTH AND	1295
S. GOV,T PRINTING OFFICE (1972) 92D	CONGRESS , 2D SESSION, HOUSE DOCUMENT NO. 92-334 ,	2987
VIRONMENTAL PROTECTION AGENCY NEEDS	CONGRESSIONAL GUIDANCE AND SUPPORT TO GUARD THE PUBLIC IN A PERIOD	0363
FIELD STRENGTH MEASUREMENTS MADE IN	CONNECTICUT DURING 1974	3138
RES, AND MEDICO-MILITARY ASPECTS IN	CONNECTION WITH MICROWAVES	3191
D POTENTIALS OF AUDITORY CENTERS IN	CONNECTION WITH PROSPECTS FOR USING INADEQUATE AUDITORY STIMULATIO	1487

ISON TRANSMISSON LINES AND PRECISON	CONNECTORS AS ACCURATE IMMITTANCE STANDARDS	3348
LDS: SCIENTIFIC BASIS AND PRACTICAL	CONSIDERATIONS	0501
MENTUM: NEUROLOGICAL AND BEHAVIORAL	CONSIDERATIONS	0835
ZARDOUS MICROWAVE FIELDS: PRACTICAL	CONSIDERATIONS	1546
ENGINEERING	CONSIDERATIONS AND MEASUREMENTS	1601
TO MICROWAVES, PART I: THEORETICAL	CONSIDERATIONS AND PRACTICAL ASPECTS	0796
MICROWAVE RADIATION: BIOPHYSICAL	CONSIDERATIONS AND STANDARDS CRITERIA	1703
PACEMAKER TESTING	CONSIDERATIONS AND TECHNIQUES	2273
SOME	CONSIDERATIONS CONCERNING THE USE OF MAGNETRON GENERATORS IN MICRO	0691
THERMAL ANALYSIS AND DESIGN	CONSIDERATIONS FOR A DUEL-BEAM MICROWAVE APPLICATOR FOR HYPERTHERM	0156
ELECTROCHEMICAL	CONSIDERATIONS FOR SAFE ELECTRICAL STIMULATION OF THE NERVOUS SYST	1907
GENERAL	CONSIDERATIONS IN DETERMINING THE POTENTIAL PERSONNEL RADIATION HA	0944
	CONSIDERATIONS IN THE EVALUATION OF THE BIOLOGICAL EFFECTS OF EXPO	2500
	CONSIDERATIONS IN THE EVALUATION OF THE BIOLOGICAL EFFECTS OF EXPO	3389
S OF A MEETING TO DISCUSS TECHNICAL	CONSIDERATIONS IN THE MEASUREMENT AND EVALUATION OF RADIATION EMIS	3053
MEDICAL	CONSIDERATIONS OF EXPOSURE TO MICROWAVES (RADAR)	0604
MEDICAL	CONSIDERATIONS OF EXPOSURE TO MICROWAVES (RADAR)	1570
SOME	CONSIDERATIONS OF MICROWAVE HAZARDS EXPOSURE CRITERIA	0546
RADIATION EXPOSURE	CONSIDERATIONS WHEN EMPLOYING MICROWAVE- EXCITED SPECTROSCOPIC SOU	2567
THERMAL DOSIMETRY: SOME BIOPHYSICAL	CONSIDERATIONS	0321
DETERMINATION OF COMPLEX DIELECTRIC	CONSTANTS OF ABSORPTIVE LIQUIDS BY MICROWAVE INTERFEROMETRY	3332
EXAMINATION OF CERTAIN BLOOD SERUM	CONSTITUENTS IN THE RAT FOLLOWING MICROWAVE IRRADIATION	1984
N EFFECTS IN HEMOPROTEINS AND THEIR	CONSTITUENTS	3202
	CONSUMER HAZARDS: WHY THEY HAPPEN	3320
CTS FOR EXPANSION OF INDUSTRIAL AND	CONSUMER USES OF MICROWAVES	0877
FFECTIVE INSTRUMENTS OR A POTENTIAL	CONSUMER-SALES GOLD MINE?	0408
ROUND FIELD APPLICATOR AND 915 MHZ	CONTACT APPLICATOR	1325
THE PERFORMANCE OF A NEW DIRECT	CONTACT APPLICATOR FOR MICROWAVE DIATHERMY	0047
CE OF A CIRCULARLY POLARIZED DIRECT	CONTACT APPLICATOR FOR MICROWAVE DIATHERMY	2456
VE DIATHERMY FREQUENCY FOR A DIRECT	CONTACT APPLICATOR	3284
EFFECT OF ELECTROMAGNETIC FIELD IN	CONTACT ELECTRIC WELDING	0210
A LIQUID-CRYSTAL	CONTACT LENS FOR MEASUREMENTT OF CORNEAL TEMPERATURE	3062
A NON	CONTACT TEMPERATURE MONITOR FOR THE AUTOMATIC CONTROL OF MICROWAVE	0038
CTANGULAR APERTURE SOURCE IN DIRECT	CONTACT WITH BILAYERED BIOLOGICAL TISSUE	2947
AND A GAS MIXTURE WITH A LOW OXYGEN	CONTENT	2029
WATER	CONTENT (%) IN SOME TISSUES OF RATS TREATED WITH NEUROCHORMONES AN	0354
ELEVATION IN RAT BRAIN HISTAMINE	CONTENT AFTER FOCUSED MICROWAVE IRRADIATION	2591
E RADIATION--I. EFFECT OF MOISTURE	CONTENT AND POST-RADIATION HYDRATION	1961
ELECTRIC SHOCK ON SEROTONIN (5 HT)	CONTENT IN DIFFERENT ORGANS OF RAT	2227
NCY EXPOSURE EFFECTS ON TRACE METAL	CONTENT OF BLOOD PLASMA AND LIVER CELL FRACTIONS OF RODENTS	1079
EFFECT OF MICROWAVE EMISSION ON THE	CONTENT OF IRON, COPPER, COBALT AND METALLIC PROTEINS BONDED WITH	1498
NEUROTRANSMITTER	CONTENT OF MOUSE BRAIN AFTER INACTIVATION BY MICROWAVE HEATING	0902
Y EM FIELD ON THE SERUM CHOLESTEROL	CONTENT OF RABBITS	0693
METAL ION	CONTENT OF SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MHZ RADIOFRE	0841
STRIBUTION OF THE POPULATION OF THE	CONTINENTAL UNITED STATES, CANADA AND MEXICO WITHIN VARIOUS DISTAN	3498
GENETIC	CONTINUITY AND METABOLIC REGULATION AS SEEN BY THE EFFECTS OF VARI	1085
A NEW THEORY OF GENETIC	CONTINUITY AND METABOLIC REGULATION BASED ON THE PRE-EXISTING ANAT	2986
CAL MEASUREMENTS IN RODENTS EXPOSED	CONTINUOUSLY THROUGHOUT THEIR ADULT LIFE TO PULSED EMR	1167
HEAT IN MALE	CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROWAVE,	0932
ICES OF HEMODYNAMICS AND MYOCARDIUM	CONTRACTILITY IN PATIENTS WITH AURICULAR FIBRILLATION (IN RUSSIAN)	1396
FFECT OF MICROWAVE FIELDS ON MUSCLE	CONTRACTION	1190
MEASUREMENTS OF	CONTRACTION LATENCIES TO MECHANICAL AND ELECTRICAL STIMULATION OF	2475
A STRONG MAGNETIC FIELD ON MUSCULAR	CONTRACTION	3245
	CONTRAST OF DOSE DISTRIBUTION IN PHANTOM HEADS DUE TO APERTURE AND	1097
MIDDLE-EAR STRUCTURES	CONTRIBUTE LITTLE TO AUDITORY PERCEPTION OF MICROWAVES	0411
INTERDISCIPLINARY AND INTERNATIONAL	CONTRIBUTIONS TO RESEARCH ON BIOLOGICAL EFFECTS OF ELECTROMAGNETIC	0080
THERMAL AND ELECTRONIC	CONTRIBUTIONS TO SWITCHING IN MELANINS	1616
	CONTRIBUTIONS TO THE MOLECULAR DIELECTRIC ANALYSIS OF POLAR LIQUID	2282
A MICROWAVE POWER	CONTROLLER FOR A RADIATION BIO-EFFECTS EXPOSURE FACILITY	3384
AN EMR SAFETY	CONTROLLER	0130
POSSIBILITIES FOR	CONTROLLING INSECTS WITH MICROWAVES AND LOWER FREQUENCY RF ENERGY	0791
TREATMENT FOR BREAKING DORMANCY AND	CONTROLLING VIRUS INFECTIONS OF PLANTS	3238
	CONVECTION HEAT TRANSFER AND FLOW PHENOMENA OF ROTATING SPHERES	3304
PRODUCTION OF	CONVULSIONS IN RATS BY HIGH FREQUENCY ELECTRICAL CURRENTS	1991
HIGH INTENSITY RADIATION PRODUCES	CONVULSIONS , DEATH IN MONKEY	0621

CLOSTRIDIUM PERFRINGENS ON CHICKEN	COOKED WITH MICROWAVE ENERGY	2497
MICROWAVE OVENS:	COOKING WITH YOUR FINGERS CROSSED	2930
MICROWAVE OVENS: WHAT'S	COOKING ?	0936
EFFECT OF SURFACE	COOLING AND BLOOD FLOW ON THE EM HEATING OF TISSUE	2451
ON OF MICROWAVE RADIATION USING THE	COOLING CURVE TECHNIQUE	1820
ON OF MICROWAVE RADIATION USING THE	COOLING CURVE TECHNIQUE	3256
SYSTEMS, 1, ANALYSIS OF HEATING AND	COOLING DATA	2729
DISTRIBUTION IN A SPHERE WITH LOCAL	COOLING	3286
IN THE MICROWAVE RANGE ON THE IRON,	COPPER , AND ALLIED METALLOPROTEIN CONCENTRATIONS IN BLOOD AND ORGA	2841
VE EMISSION ON THE CONTENT OF IRON,	COPPER , COBALT AND METALLIC PROTEINS BONDED WITH THEM IN ORGANS AN	1498
TY ON THE BALANCE AND METABOLISM OF	COPPER , MANGANESE, MOLYDENUM, AND NICKEL IN THE ORGANISM OF EXPERI	1505
TY ON THE BALANCE AND METABOLISM OF	COPPER , MOLYBDENUM AND IRON IN THE ORGANISMS OF LABORATORY ANIMALS	2808
ETABOLISM AND DISTRIBUTION OF IRON,	COPPER , MOLYBDENUM, MANGANESE, AND NICKEL IN THE ORGANS OF A BODY	2806
RADIATION RESEARCH AT U. OF MIAMI,	CORAL GABLES, FLA	0725
MAGNETIC FIELD UNDER THE EFFECT OF	CORAZOL	0281
	CORAZOLE-INDUCED ENHANCEMENT OF CHANGES IN THE BRAIN BIOELECTRICAL	0191
ATTEMPTS TO LOCALIZE A	CORCINOMA OF THE ENDOMETRIUM WITH THE USE OF SHORT RADIO WAVES	1960
THE EFFECTS OF BODY	CORE HYPOTHERMIA ON BLOOD FLOW IN TUMORS HEATED WITH MICROWAVE RAD	2530
2.45 GHZ EM ENERGY FOR THE SOUTHERN	CORN ROOTWORM	1126
N ON GERMINATION AND GROWTH RATE IN	CORN SEEDS	2692
EXAMINATION OF THE	CORNEA FOLLOWING EXPOSURE TO MICROWAVE RADIATION	0663
PHYSIOLOGICAL REGENERATION OF THE	CORNEAL EPITHELIUM EXPOSED TO SUPERSTRONG CONSTANT MAGNETIC FIELDS	1402
L EPITHELIUM OF CHINESE HAMSTERS IN	CORNEAL EPITHELIUM OF CHINESE HAMSTERS	0098
-INDUCED CHROMOSOMAL ABERRATIONS IN	CORNEAL EPITHELIUM OF CHINESE HAMSTERS IN CORNEAL EPITHELIUM OF CH	0098
	CORNEAL RADIOFREQUENCY BURNS: EFFECTS OF PROSTAGLANDINS AND 48/80	2223
AL CONTACT LENS FOR MEASUREMENTT OF	CORNEAL TEMPERATURE	3062
THE	CORNEO-RETINAL POTENTIAL AS THE GENERATOR OF ALPHA RHYTHM IN THE H	0731
	CORNER-REFLECTOR APPLICATORS FOR MULTILATERAL EXPOSURE OF ANIMALS	0386
D GANGLIA IN THE MOLLUSK /PLANORBIS	CORNEUS / UNDER THE INFLUENCE OF A UHF EM FIELD	1500
LUENTS DUE TO EHV TRANSMISSION LINE	CORONA	3013
ONMENT ON OXIDANTS PRODUCTION IN AC	CORONA	3106
A STUDY OF	CORONA DISCHARGES AT WATER DROPS OVER THE FREEZING TEMPERATURE RAN	3135
COUPLING AND	CORONA EFFECTS RESEARCH PLAN FOR TRANSMISSION LINES	1890
LUENTS DUE TO EHV TRANSMISSION LINE	CORONA I--FIELD TESTS	2995
LUENTS DUE TO EHV TRANSMISSION LINE	CORONA II--LABORATORY TESTS	2996
IMPROVED METHOD FOR CALCULATING DC	CORONA LOSSES	3114
OVERHEAD LINES WITH ALLOWANCES FOR	CORONA LOSSES AND INTERFERENCES: METHOD OF THEIR MEASUREMENT	3593
A COMPARATIVE STUDY OF THE	CORONA OERFORMANCE OF CONDUCTOR BUNDLES FOR 1200 KV TRANSMISSION L	3565
OLINE AND CHOLINE LEVELS IN THE RAT	CORPUS STRIATUM AFTER MICROWAVE IRRADIATION	1518
SKIN-EFFECT	CORRECTIONS IN IMMITTANCE AND SCATTERING COEFFICIENT STANDARDS EMP	3343
UCED HYPERTHERMIA AND NEUROCHEMICAL	CORRELATES	2800
ELECTROCONVULSIVE THERAPY AND EEG	CORRELATES IN DEPRESSIVE DISORDERS	1870
IN EVOKED POTENTIALS ARE FUNCTIONAL	CORRELATES OF INDUCED PAIN IN MAN	0138
THE PROBLEM OF	CORRELATING BIOCHEMICAL DATA TO THE CONDITION OF THE NEUROMUSCULAR	1491
MULTIPLE AND PARTIAL	CORRELATION BETWEEN ATMOSPHERIC NOISE LEVELS AT DIFFERENT FREQUENC	3176
SEARCH FOR	CORRELATION BETWEEN GEOMAGNETIC DISTURBANCES AND MORTALITY	1229
EXPERIMENT ON THE	CORRELATION BETWEEN THE COURSE OF ACTION OF TRYPANOSOMA EQUIPERDUM	0959
YSICS OF THE THEORY, & EXPERIMENTAL	CORRELATIONS	0123
NCEPHALOGRAM: SOME EEG AND RELATED	CORRELATIONS	2462
CHANGES OF THE CORTICAL-SUBCORTICAL	CORRELATIONS IN EXPERIMENTAL ANIMALS UNDER THE ACTION OF PULSED CU	0024
	CORRESPONDENCE ON D. R. JUSTESEN'S 'PRESCRIPTIVE GRAMMAR FOR THE R	1906
NGE IONIC AND TRANSMITTER FLUXES IN	CORTEX	1493
TAURINE ON NORMAL AND SEIZURE PRONE	CORTEX	1517
YNAPTOSOMES ISOLATED FROM RAT BRAIN	CORTEX	1933
UPON CERTAIN ZONES OF THE CEREBRAL	CORTEX	2024
THE ULTRASTRUCTURE OF THE CEREBRAL	CORTEX AND ON HEMATOLOGIC PROFILES OF RATS	2766
AL RELATIONSHIP IN THE RAT CEREBRAL	CORTEX DURING LONG-TERM EXPOSURE TO MICROWAVES	1462
AR FORMATION- HYPOTHALAMUS-CEREBLAR	CORTEX LEVEL	1444
C ACTIVITY OF DIENCEPHALIC AREA AND	CORTEX OF RABBIT'S CEREBRAL HEMISPHERES UNDER THE EFFECT OF BITEMP	1996
D ACTIVITY OF NEURONS ON THE VISUAL	CORTEX OF RABBITS AFTER THE ACTION OF A SUPERHIGH-FREQUENCY FIELD	1185
THE HYPOTHALAMIC-HYPOPHYSIS-ADRENAL	CORTEX SYSTEM	1447
CAL REACTION OF THE RABBIT CEREBRAL	CORTEX TO VARIOUS EM FIELDS (IN RUSSIAN)	2000
ACTION OF	CORTI 'S ORGAN AND THE COCHLEA: A NEW THEORY	1073
RPHOLOGICAL CHANGES IN THE CELLS OF	CORTI 'S ORGAN FOLLOWING EXPOSURE TO MICROWAVES (IN POLISH)	0990
OF CERTAIN ENZYMES IN THE CELLS OF	CORTI 'S ORGAN IN GUINEA PIGS FOLLOWING LONG-TERM EXPOSURE TO MICRO	1901

G ELECTRICAL STIMULATION OF INDUCED	CORTICAL BONE DEFECTS	2233
ATION OF THE CAUDATE NUCLEUS ON THE	CORTICAL ELECTRIC ACTIVITY AND THE WAKEFULNESS-SLEEP CYCLE (IN RUS	1406
SYNCHRONIZATION OF	CORTICAL NEURONS BY A PULSED MICROWAVE FIELD AS EVIDENCED BY SPECT	1061
DYNAMICS OF CHANGES OF THE	CORTICAL-SUBCORTICAL CORRELATIONS IN EXPERIMENTAL ANIMALS UNDER TH	0024
FFECTS OF RADIO-FREQUENCY ENERGY ON	CORYNEBACTERIUM DIPHTHERIAE AND CLOSTRIDIUM WELCHII TOXINS	1294
, DRINKING WATER, GEOMAGNITISM, AND	COSMIC RADIATION	0005
ND MICROWAVES)-- EURASIAN COMMUNIST	COUNTRIES	2579
ATION OF BONE REPAIR BY INDUCTIVELY	COUPLED EM FIELDS	0644
AN ELECTROMAGNETIC ENERGY	COUPLER FOR MEDICAL APPLICATIONS	0305
PORTANCE FOR EXCITATION-CONTRACTION	COUPLING	2837
	COUPLING AND CORONA EFFECTS RESEARCH PLAN FOR TRANSMISSION LINES	1890
MUTUAL	COUPLING BETWEEN LINEAR ANTENNAS	2214
	COUPLING BETWEEN SMALL THIN-WIRE ANTENNAS AND A BIOLOGICAL BODY	2827
ASSESSMENT OF THE EM FIELD	COUPLING OF 915 MHZ OVEN LEAKAGE TO HUMAN SUBJECTS BY THERMOGRAPHI	1153
	COUPLING OF GAUSSIAN EM PULSE INTO A MUSCLE-BONE MODEL OF BIOLOGIC	1124
MAGNETIC	COUPLING TO A PROLATE SPHEROID MODEL OF MAN	2435
ELF	COUPLING TO BIOSPHERES	1378
HIGH VOLTAGE ELECTRIC FIELD	COUPLING TO HUMANS USING MOMENT METHOD TECHNIQUES	2186
ELF	COUPLING TO SPHERICAL MODELS OF MAN AND ANIMALS	1244
IC RESPONSE OF THE DOG SUBJECTED TO	CRANIAL EXPOSURE TO 2450 MHZ MICROWAVES	2445
INHOMOGENEOUS SPHERICAL MODEL OF A	CRANIAL STRUCTURE EXPOSED TO MICROWAVES DUE TO LOOP OR DIPOLE ANTE	0052
INDUCED FIELDS AND HEATING WITHIN A	CRANIAL STRUCTURE IRRADIATED BY AN EM PLANE WAVE	0717
EM PULSE INTERACTION WITH MAMMALIAN	CRANIAL STRUCTURES	1226
S-POLARIZED EM WAVES WITH MAMMALIAN	CRANIAL STRUCTURES	1243
ND CARDIODYNAMIC REGULATION IN DOGS	CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES	0655
DYNAMIC CHARACTERISTICS OF	CRAYFISH STRETCH RECEPTOR FOR MICROWAVE RADIATION (IN JAPANESE)	1948
ION BETWEEN ATMOSPHERIC QUALITY AND	CRIME RATES IN THE GREATER LOS ANGELES AREA	0639
TIONS OF MICROWAVE HAZARDS EXPOSURE	CRITERIA	0546
VE HAZARDS EVALUATION: CONCEPTS AND	CRITERIA	1115
YSICAL CONSIDERATIONS AND STANDARDS	CRITERIA	1703
C AND ELECTROMAGNETIC ENVIRONMENTAL	CRITERIA FOR EHV OVERHEAD TRANSMISSION LINES	3169
DIELECTRIC CYLINDER WITH IRREGULAR	CROSS SECTION IRRADIATED BY PLANE WAVE SOURCES	1122
MEASUREMENT OF THE RADAR	CROSS SECTION OF A MAN	0556
RELATIVE MICROWAVE ABSORPTION	CROSS SECTIONS OF BIOLOGICAL SIGNIFICANCE	3449
ON MEASURING THE RADAR	CROSS SECTIONS OF DUCKS AND CHICKENS	3508
INTERACTION OF TWO	CROSS-POLARIZED EM WAVES WITH MAMMALIAN CRANIAL STRUCTURES	1243
A TECHNIQUE FOR RELATIVE ABORPTION	CROSS-SECTION DETERMINATION	3317
ON OF BOUVINE SERUM ALBUMIN USING A	CROSSED BEAM EXPOSURE/DETECTION SYSTEM	3555
	CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVA	0871
	CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVA	3383
TION OF BOVINE SERUM ALBUMIN WITH A	CROSSED-BEAM EXPOSURE-DETECTION SYSTEM	1083
VE OVENS: COOKING WITH YOUR FINGERS	CROSSED	2930
	CROSSING-OVER IN MALES OF DORSOPHILA INDUCED BY RADIO FREQUENCY TR	0538
R-HIGH FREQUENCY ELECTRIC FIELD AND	CRUSTACEAN GANGLIONIC DISCHARGES	1942
	CRYOMAGNETIC AND OTHER REMOTE MEDICAL MONITORING TECHNIQUES: A REV	2726
MICROWAVE PROPERTIES OF	CRYOPROTECTANTS	3412
COMPARISON OF ENDOSCOPIC	CRYOSURGERY AND ELECTROCOAGULATION OF BRONCHI	2856
MICROWAVE HOLOGRAPHY USING LIQUID	CRYSTAL AREA DETECTORS	3362
A LIQUID	CRYSTAL CALORIMETER FOR RADIATION MONITORING	1143
MICROWAVE HOLOGRAMS USING LIQUID	CRYSTAL DISPLAYS	3361
LIQUID	CRYSTAL ELECTROMAGNETIC RADIATION MONITOR	2375
LIQUID	CRYSTAL FIBEROPTIC TEMPERATURE PROBE FOR THE MEASUREMENT OF EM POW	1749
DEVELOPMENT OF LIQUID	CRYSTAL MICROWAVE POWER DENSITY METER	2850
DEVELOPMENT OF LIQUID	CRYSTAL MICROWAVE POWER DENSITY METER	3358
A BIREFRINGENT	CRYSTAL OPTICAL THERMOMETER FOR MEASUREMENTS OF ELECTROMAGNETICALL	2208
DISCUSSION PAPER: FIBEROPTIC LIQUID	CRYSTAL PROBE FOR ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE M	1103
MICROWAVE DOSIMETRY USING A LIQUID	CRYSTAL TECHNIQUE	2963
DIELECTRIC DISPERSION OF	CRYSTALLINE POWDERS OF AMINO ACIDS, PEPTIDES & PROTEINS	3203
T OF EM FIELDS WITH ELECTRO-OPTICAL	CRYSTALS	2206
PROPERTIES OF LIQUID	CRYSTALS AND THEIR APPLICATION TO THE MEASUREMENT OF MICROWAVE AND	3547
PROPERTIES OF LIQUID	CRYSTALS AND THEIR APPLICATION TO THE MEASUREMENT OF MICROWAVES AN	3046
TIC FIELDS USING CHOLESTERIC LIQUID	CRYSTALS	3364
MICROWAVE AND CONVENTIONAL AUDITORY	CUES	0239
EXPERIMENT: TUMOR GROWTH AND TUMOR	CURE (IN GERMAN)	0008
TUMOR	CURE AND CELL SURVIVAL AFTER LOCALIZED RADIOFREQUENCY HEATING	2120

DO THE FRENCH HAVE A	CURE FOR CANCER?	1656
	CURE OF A SOLID TUMOR BY SIMULTANEOUS ADMINISTRATION OF MICROWAVES	1958
THE	CURE OF CANCER: A PRELIMINARY HYPOTHESIS	0500
LDS TO EXTRA-LOW-FREQUENCY ELECTRIC	CURRENT	0510
NS INDUCED BY DEFIBRILLATOR DEFAULT	CURRENT	1873
ATHERMIES AND PULSED HIGH FREQUENCY	CURRENT	2087
ION OF MIDDLE FREQUENCY ALTERNATING	CURRENT	2320
DARTHROSIS OF THE TIBIA WITH DIRECT	CURRENT	2778
NT OF NONUNION WITH CONSTANT DIRECT	CURRENT	2783
SLOW PULSATING, ASYMMETRICAL DIRECT	CURRENT	2784
DROME DURING THE TREATMENT BY PULSE	CURRENT (IN RUSSIAN)	1409
AINING WATER BY MEANS OF ELECTRICAL	CURRENT (IN RUSSIAN)	2598
A FUNCTION OF THE DURATION OF 60 HZ	CURRENT AND ELECTRODE AREA	1520
PERFORMANCE IN MEASURING X-RAY TUBE	CURRENT AND MAS	0630
400-, 500-, AND 750 KV ALTERNATING	CURRENT AT INDUSTRIAL FREQUENCY	3077
PTION IN DIELECTRICS.I. ALTERNATING	CURRENT CHARACTERISTICS	3208
AST ANTENNAS AS AFFECTED BY ANTENNA	CURRENT DISTRIBUTION	3491
ROPHYSIOLOGY OF TENDONS AND APPLIED	CURRENT DURING TENDON HEALING	1679
PRELIMINARY RESULTS USING LOCALIZED	CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS	2366
ION RADIATION THERAPY AND LOCALIZED	CURRENT FIELD HYPERTHERMIA OF SPONTANEOUS MALIGNANT NEOPLASMS OF A	2329
MPERATURE DISTRIBUTION IN LOCALIZED	CURRENT FIELD HYPERTHERMIA- A THEORETICAL MODEL	0359
INTERNAL	CURRENT GAIN IN MICROWAVE-BIASED GALLIUM-DOPED SILICON 8-14 MM IR	3354
ELECTRIC	CURRENT HASTENS BONE HEALING	2088
ASSESSMENT OF	CURRENT HYPERTHERMIA TECHNOLOGY	0128
	CURRENT IDEAS ON THE EFFECTS OF RADAR WAVES ON LIVING ORGANISMS AN	0451
STIMULATION BY SINUSOIDAL MODULATED	CURRENT IN INTEGRATED TREATMENT OF PATIENTS WITH SPINAL CORD DISEA	0215
DISTRIBUTION OF APPLIED ELECTRICAL	CURRENT IN THE SPINAL CORD AND ITS EFFECTS ON EVOKED POTENTIALS	1886
CTS OF NONIONIZING EMR: A DIGEST OF	CURRENT LIT.	1420
LOGICAL EFFECTS OF EMR: A DIGEST OF	CURRENT LIT. AND A FORUM OF COMMUNICATION	1414
LOGICAL EFFECTS OF EMR: A DIGEST OF	CURRENT LIT. AND A FORUM OF COMMUNICATION	1415
LOGICAL EFFECTS OF EMR: A DIGEST OF	CURRENT LIT. AND A FORUM OF COMMUNICATION	1416
LOGICAL EFFECTS OF EMR: A DIGEST OF	CURRENT LIT. AND A FORUM OF COMMUNICATION	1417
LOGICAL EFFECTS OF EMR: A DIGEST OF	CURRENT LIT. AND A FORUM OF COMMUNICATION	1418
LOGICAL EFFECTS OF EMR: A DIGEST OF	CURRENT LIT. AND A FORUM OF COMMUNICATION	1419
CTROMAGNETIC RADIATION: A DIGEST OF	CURRENT LITERATURE	0081
CTS OF NONIONIZING EMR: A DIGEST OF	CURRENT LITERATURE	0244
CTROMAGNETIC RADIATION: A DIGEST OF	CURRENT LITERATURE	0163
	CURRENT MICROWAVE STUDIES	2255
STEP POTENTIAL AND BODY	CURRENT NEAR A BURIED HORIZONTAL BARE CONDUCTOR IN A TWO-LAYER EAR	1635
THE INFLUENCE OF ELECTRICAL	CURRENT ON AN INFECTING MICROORGANISM IN WOUNDS	2243
FECTS OF SUPER-HIGH-FREQUENCY RADIO	CURRENT ON HEALTH OF MEN EXPOSED UNDER SERVICE CONDITIONS	0603
EFFECTS OF ELECTRIC	CURRENT ON MAN	3277
EFFECT OF IMPULSE ELECTRICAL	CURRENT ON REPARATIVE REGENERATION OF THE BONE TISSUE (IN RUSSIAN)	2075
EFFECT OF A PULSED ELECTRIC	CURRENT ON THE COURSE OF REPARATIVE OSTEOGENESIS	2822
THE EFFECT OF SIXTY-CYCLE AC	CURRENT ON THE REGENERATION AXIS OF DUGESIA	2648
EFFECTS OF LOW FREQUENCY ELECTRICAL	CURRENT ON VARIOUS MARINE ANIMALS	0864
EFFECTS OF LOW FREQUENCY ELECTRICAL	CURRENT ON VARIOUS MARINE ANIMALS	3276
	CURRENT PROBLEMS IN THE STANDARDISATION OF MEDICAL ELECTRICAL EQUI	2309
	CURRENT PROBLEMS OF THE BIOLOGICAL EFFECT OF MICROWAVES (IN RUMANI	2721
E INFLUENCE OF SINUSOIDAL MODULATED	CURRENT PULSES	3045
	CURRENT RADIO-FREQUENCY EMR SAFETY STANDARDS AS APPLIED TO MOBILE	2474
CLINICAL APPLICATIONS OF ELECTRIC	CURRENT REMAIN LARGELY UNEXPLORED	1220
	CURRENT RESEARCH RESULTS AND FUTURE EFFORTS ON THE PROBLEM OF THE	1922
SOME	CURRENT RESEARCH TRENDS ON THE BIOLOGIC EFFECTS OF ELECTROMAGNETIC	0334
ELECTRIC	CURRENT SPARKS MAMMALIAN TISSUE REGENERATION	0739
ALTERNATING	CURRENT SPECTROSCOPY OF BIOLOGICAL SUBSTANCES	2950
MICROWAVE BIOEFFECTS:	CURRENT STATUS AND CONCEPTS	2133
	CURRENT STATUS OF MICROWAVE EFFECTS ON THE BLOOD-BRAIN BARRIER	0360
PERIENCES WITH LOW INTENSITY DIRECT	CURRENT STIMULATION OF BONE GROWTH	2779
DIRECT	CURRENT STIMULATION OF THE GROWING DEER ANTLER	1834
	CURRENT STUDIES ON THE EFFECTS OF MHZ-2450 RADIATION ON VARIOUS BI	2939
SES TO FLOW OF ALTERNATING ELECTRIC	CURRENT THROUGH THE HUMAN BODY AT POWER-TRANSMISSION FREQUENCIES	3017
DED TOLERANCE LEVELS OF M-W ENERGY:	CURRENT VIEWS OF THE GENERAL ELECTRIC COMPANY'S HEALTH AND HYGIENE	1571
	CURRENT VIEWS ON MECHANISMS OF INTERACTION OF MICROWAVE AND RADIOF	2476
MEDIAL MALLEOLUS BY MEANS OF DIRECT	CURRENT : A CASE REPT	1813

F ANECHOIC CHAMBER FOAM BY ELECTRIC	CURRENTS	0945
EFFECTS OF CEREBRAL ELECTROTHERAPY	CURRENTS	1676
MAGNETIC AND/OR ELECTRIC FIELDS AND	CURRENTS	1781
N RATS BY HIGH FREQUENCY ELECTRICAL	CURRENTS	1991
TIC FIELDS PRODUCED BY ALPHA-RHYTHM	CURRENTS	2100
ORIENTATION BY LOW-LEVEL ELECTRICAL	CURRENTS	2235
GROWTH IN HAMSTERS BY SMALL DIRECT	CURRENTS	2619
TIMULATED BY LOW-FREQUENCY ELECTRIC	CURRENTS	2760
REEVALUATION OF LETHAL ELECTRIC	CURRENTS	3278
OF METALS BY MEDIUM- HIGH-FREQUENCY	CURRENTS (IN RUM)	3409
F THE MECHANISM OF ACTION OF PULSED	CURRENTS (ACCORDING TO THE METHOD OF A ELECTROANALGESIA	3427
ANIMALS UNDER THE ACTION OF PULSED	CURRENTS (BY THE METHOD OF ELECTROANALGESIA)	0024
ION OF PROSTATE WITH HIGH-FREQUENCY	CURRENTS (IN GERMAN)	2642
A UNDER THE EFFECT OF INDUCTOTHERMY	CURRENTS (IN UKRAINIAN)	2599
PPLICATION OF PULSED HIGH FREQUENCY	CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA CELLS	1281
USE OF SINUS-MODULATED	CURRENTS AND ULTRASOUND IN OBLITERATIVE DISEASES OF THE LOWER LIMB	2707
BODY	CURRENTS IN LIVE LINE WORKING	0974
BODY	CURRENTS IN LIVE LINE WORKING	3015
SMS AND THE ACTION OF WEAK ELECTRIC	CURRENTS IN THE ACCELERATION OF WOUND HEALING AND FRACTURE UNION	1825
USE OF DIADYNAMIC	CURRENTS IN THE TREATMENT OF INJURIES OF JOINTS (IN RUSSIAN)	2069
TRANSIENT	CURRENTS INDUCED ON A METALLIC BODY OF REVOLUTION BY AN ELECTROMAG	3175
BODY	CURRENTS MEASURED IN LIVE LINE WORK	3100
C EFFECT OF HIGH-FREQUENCY ELECTRIC	CURRENTS ON BIOLOGICAL OBJECTS	0544
EFFECTS OF SMALL ELECTRICAL	CURRENTS ON COLLAGEN IN SOLUTION	0854
EFFECTS OF MINUTE DIRECT ELECTRICAL	CURRENTS ON CULTURED CHICK EMBRYO TRIGEMINAL GANGLIA	3267
N OF THE EFFECT OF SMALL ELECTRICAL	CURRENTS ON THE HEALING OF JAW FRACTURES	2780
DELETERIOUS EFFECTS OF ELECTRIC	CURRENTS ON THE HUMAN ORGANISM (IN ITALIAN)	2626
EFFECTS OF APPLIED	CURRENTS ON TURTLE CONES IN DARKNESS AND DURING THE PHOTORESPONSE	2640
THE APPLICATION OF HIGH- FREQUENCY	CURRENTS UPON LIVING ORGANISMS	1822
ROPERTIES MEASURED WITH ALTERNATING	CURRENTS : BODY TISSUES	3381
P ON BIOLOGICAL EFFECTS OF ELECTRIC	CURRENTS : ELECTRICAL STIMULATION AND THERAPY	1682
MAGNETOCARDIOGRAPHY OF DIRECT	CURRENTS : S-T SEGMENT AND BASELINE SHIFTS DURING EXPERIMENTAL MYOC	2104
SELECTIVE HEATING OF	CUTANEOUS HUMAN TUMORS AT 27.12 MHZ	0048
WITH RADIATION THERAPY. 1.MALIGNANT	CUTANEOUS LESIONS	2618
	CUTANEOUS MICROWAVE INJURY	1811
	CUTANEOUS MICROWAVE INJURY: REPORT OF TWO CASES	2838
	CUTANEOUS PERCEPTION OF MICROWAVES	0624
PHATE AND THE ACTIVITY OF GUANYLATE	CYCLASE IN RAT SALIVARY GLANDS AND THEIR RELATIONSHIP TO THE INDUC	1699
PGE-STIMULATION OF ADENYL	CYCLASE IN THE BRAIN OF RATS EXPOSED TO LOW POWER DENSITY MICROWAV	2412
C DETERMINATION OF THE EXCITABILITY	CYCLE	2334
ACTIVITY AND THE WAKEFULNESS-SLEEP	CYCLE (IN RUSSIAN)	1406
MICROWAVE RADIATION DURING ESTROUS	CYCLE AND PREGNANCY	0930
AN ELECTRIC FIELD OF RECTANGULAR 10	CYCLES (IN GERMAN)	2645
	CYCLES OF RECOVERY OF EVOKED BRAIN POTENTIALS FOLLOWING EXPOSURE T	0160
	CYCLES OF RESTORATION OF EVOKED POTENTIALS OF RAT BRAIN UNDER THE	0280
	CYCLIC ADENOSINE MONOPHOSPHATE IN BRAIN AREAS: MICROWAVE IRRADIATI	0716
	CYCLIC AMP AND CYCLIC GMP IN THE RAT GASTRIC MUCOSA	2860
EPIPHYSEAL CARTILAGE	CYCLIC AMP CHANGES PRODUCED BY ELECTRICAL AND MECHANICAL PERTURBAT	2777
	CYCLIC AMP IN BRAIN AREAS: EFFECTS OF AMPHETAMINE AND NOREPINEPHR	2517
E OF INJECTED PSYCHOACTIVE DRUGS ON	CYCLIC AMP LEVELS IN MOUSE BRAIN AND LUNG FOLLOWING MICROWAVE IRRA	2769
CYCLIC AMP AND	CYCLIC GMP IN THE RAT GASTRIC MUCOSA	2860
LEVELS OF	CYCLIC NUCLEOTIDES IN MOUSE REGIONAL BRAIN FOLLOWING 300MS MICROWA	2526
TO MINIMIZE POST MORTEM CHANGES OF	CYCLIC NUCLEOTIDES, DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOL	1326
MENT OF THE EFFICACY OF SEDUXEN AND	CYCLODOL , AND THEIR COMBINATION WITH THE ELECTROPULSE ACTION FOR I	0101
BUTION IN TRIPLE-LAYERED DIELECTRIC	CYLINDER WITH IRREGULAR CROSS SECTION IRRADIATED BY PLANE WAVE SOU	1122
ENERGY ABSORPTION IN	CYLINDERS CONTAINING A UNIFORMLY DISTRIBUTED SOURCE	3287
S IN CIRCULAR TRIPLE-LAYERED TISSUE	CYLINDERS EXPOSED TO PLANE WAVE SOURCES	0851
EM FIELDS INDUCED INSIDE ARBITRARY	CYLINDERS OF BIOLOGICAL TISSUE	1613
ELECTROMAGNETIC POWER ABSORPTION IN	CYLINDRICAL TISSUE MODELS EXCITED BY A LOOP ANTENNA	0204
A WEAKLY ELECTRIC FISH, MARCUSENIUS	CYPRINOIDES L. (MORMYRIFORMES)	1176
IN THE SUPERHIGH-FREQUENCY RANGE ON	CYTOCHEMICAL BLOOD INDICES	0061
	CYTOFLUOROMETRY OF ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENT	0068
MODIFICATION OF THE	CYTOGENETIC EFFECT OF IONIZING RADIATION UNDER THE INFLUENCE OF PE	1595
	CYTOGENETIC EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS	3056
	CYTOLOGIC ASPECT OF RF RADIATION IN THE MONKEY	2030

SOME BIOCHEMICAL AND	CYTOLOGICAL OBSERVATIONS ON THE EFFECT OF NONIONIZING (MICROWAVE)	2331
MHZ MICROWAVES ON MOUSE TESTICULAR	CYTOLOGY	2894
E ELECTRICAL RESISTIVITY OF AQUEOUS	CYTOPLASM	2540
	CYTOTOXIC EFFECTS OF EMR ON CHINESE HAMSTER CELLS IN CULTURE	1134
GIC EFFECTS OF MAGNETIC FIELDS. (IN	CZE)	0326
ON THE FUNCTION OF PACEMAKERS. (IN	CZE)	0356
	CZECHOSLOVAK STUDY OF THE DEPENDENCE OF THE ALBEDO ON THE HEIGHT O	3452
OF HF AND UHF EMR AT WORK PLACES IN	CZECHOSLOVAKIA	1544
MAGNETIC FIELDS AND ORGANISMS (IN	CZECHOSLOVAKIAN)	1412
HERAPY OF INSOMNIA AND NEUROSIS (IN	CZECHOSLOVAKIAN)	1413
00 GAUSS ON SPLENECTOMIZED MICE (IN	CZECHOSLOVAKIAN)	2709
CORBIC ACID LEVEL IN THE ORGANS AND	DAILY URINE OF ANIMALS EXPOSED TO LOW INTENSITY 10 CM WAVES	1358
ION THEORY TO THE PHYSICS OF TISSUE	DAMAGE	3448
ERYTHROCYTE	DAMAGE CAUSED BY THE HAEMOTHERM MICROWAVE BLOOD WARMER	0308
RETINAL	DAMAGE EXPERIMENTALLY INDUCED BY MICROWAVE RADIATION AT 55 MW/CM2	0181
EYE	DAMAGE FROM REPEATED EXPOSURE TO WELDING ARCS	0705
METER RADIO WAVES TO INDUCE GENETIC	DAMAGE IN DROSOPHILA MELANOGASTER	1168
NON-THERMAL RADIOWAVES AND GENETIC	DAMAGE IN DROSOPHILA MELANOGASTER	3621
CY EM RADIATION- INDUCED BIOLOGICAL	DAMAGE IN MACACA MULATTA	2397
FICATION OF THE REPAIR OF RADIATION	DAMAGE OF HAEMATOPOIESIS IN MICE BY MICROWAVES	1136
FICATION OF REPAIR OF X-IRRADIATION	DAMAGE OF HEMOPOIETIC SYSTEM OF MICE BY MICROWAVES	2801
THE DETECTION OF RF	DAMAGE TO HIGH MOLECULAR WEIGHT BIOPOLYMERS BY RAMAN SPECTROSCOPY	1609
MAGNETICAL FIELD-INDUCED BIOLOGICAL	DAMAGE ?	0262
RISKS AND	DAMAGES DERIVED FROM OCCUPATIONAL EXPOSURE TO EM FIELDS	0615
RISKS AND	DAMAGES RESULTING FROM OCCUPATIONAL EXPOSURE TO HIGH FREQUENCY EM	2395
	DANGER OF OVERWARMING BLOOD BY MICROWAVE	0445
	DANGER PROBLEMS DERIVING FROM EMR IN THE VICINITY OF HIGH- POWER T	2712
ERMINING THE RADII OF RADAR STATION	DANGER ZONES	3578
CKGROUND RADIATION LEVEL LIES NEAR '	DANGER ' MARK	1178
	DANGER : WHEN YOU TRANSMIT YOU CAN TURN OFF A PACEMAKER	3028
CONTINUOUS MONITOR OF	DANGEROUS LEVELS OF MICROWAVE POWER	0800
E HEART FREQUENCY OF THE WATERFLEA:	DAPHNIA PULEX	1720
APPLIED CURRENTS ON TURTLE CONES IN	DARKNESS AND DURING THE PHOTORESPONSE	2640
INFLUENCE OF ADENOSINE, CAMP AND	DB-CAMP ON RESPONSES OF THE ISOLATED TERMINAL GUINEA-PIG ILEUM TO	1875
MICROWAVES TO SUBSTITUTE FOR	DDT ?	1868
BLINDNESS,	DEAFNESS AND VESTIBULAR DYSFUNCTION IN A MICROWAVE WORKER	0917
MICROWAVE	DEATH	0685
ENATURATION AS THE CAUSE OF THERMAL	DEATH	3500
DEFORMITY AND INTRA-UTERINE	DEATH AFTER SHORT-WAVE THERAPY IN EARLY PREGNANCY IN EXPERIMENTAL	2879
SUDDEN AND UNEXPECTED INFANT	DEATH AND ELECTROMAGNETIC FIELDS (IN GERMAN)	2643
OF LIFE AND	DEATH AND MAGNETISM	0706
REVERSAL LEARNING AFTER THE TIME OF	DEATH AND TOTAL ABSORBED DOSE IN THE MICROWAVE ENERGY	2882
MICROWAVE RADIATION TO THE TIME OF	DEATH AND TOTAL ABSORBED DOSE IN THE MOUSE	0849
	DEATH BY LIGHTNING	1894
ABNORMALITIES AND INTRA-UTERINE	DEATH FOLLOWING MICROWAVE THERAPY IN EARLY PREGNANCY, ANIMAL EXPER	0670
CAUSES OF	DEATH FOLLOWING OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION (RADA	2681
ICROWAVES AS AN ETIOLOGY FOR SUDDEN	DEATH FROM HEART ATTACK IN NORTH KARELIA	1636
ITY RADIATION PRODUCES CONVULSIONS,	DEATH IN MONKEY	0621
SUDDEN, UNEXPECTED	DEATH OF INFANTS AND EM FIELDS (IN GERMAN)	1624
ED IN MICROWAVE FIELD UNTIL THERMAL	DEATH . (IN POLISH)	0354
THE MICROWAVE OVEN SAFETY	DEBATE	2471
NMENTAL RADIATION LABORATORY, JAN.-	DEC . 1970	2955
ENDORPHINS IN BRAINS OF	DECAPITATED AND MICROWAVE-KILLED MICE	2219
Y ACID LEVELS IN RATS SACRIFICED BY	DECAPITATION VERSUS FOCUSED MICROWAVE IRRADIATION	0928
AND PHORBOL ESTER-INDUCED ORNITHINE	DECARBOXYLASE LEVELS	2825
ACCELERATION AND	DECELERATION OF FETAL GROWTH OF RATS BY 2450 MHZ MICROWAVE IRRADIA	0222
ASURING PERMITTIVITIES AT METER AND	DECIMETER WAVELENGTHS	3536
PARKINSONISM PATIENTS SUBJECTED TO	DECIMETER WAVE THERAPY	1491
EXPERIENCE WITH	DECIMETER WAVE THERAPY AS PART OF COMPREHENSIVE TREATMENT FOR PATI	2804
EFFECTS OF THE	DECIMETER WAVELENGTH RANGE ON THE FUNCTIONAL CONDITION OF VARIOUS	1348
SELECTIVE ACTION OF	DECIMETER WAVES ON CENTRAL BRAIN STRUCTURES	0072
SELECTIVE ACTION OF	DECIMETER WAVES ON CENTRAL STRUCTURES OF THE BRAIN	2793
THE EFFECTS OF	DECIMETRIC WAVES ON THE EXCHANGE OF CATECHOLAMINES IN THE TISSUES	2846
RADIATION AS A METHOD FOR BACTERIAL	DECONTAMINATION IN A CLINICAL MICROBIOLOGY LABORATORY	2786
A MICROWAVE	DECOUPLED BRAIN-TEMPERATURE TRANSDUCER	0809

AN RF	DECOUPLED ELECTRODE FOR MEASUREMENT OF BRAIN TEMPERATURE DURING MI	2383
A MICROWAVE	DECOUPLED ELECTRODE FOR THE ELECTROENCEPHALOGRAM	0728
ELECTROMAGNETICALLY CONTROLLED CELL	DEDIFFERENTIATION (IN JAPAN)	0068
ICROWAVE THAWING TO THE RECOVERY OF	DEEP FROZEN CELLS AND ORGANS: A REVIEW	0680
COMPARISON OF	DEEP HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES	3544
PHYSIOLOGIC EFFECTS OF	DEEP HYPERTHERMIA AND MICRO- WAVE REWARMING: POSSIBLE APPLICATION	0203
EM HEATING OF TUMORS IN ANIMALS IN	DEEP HYPOTHERMIA	1957
TO HEAR HEART'S SIGNALS, A	DEEP WELL	2095
OF SUPER-HIGH FREQUENCY TO HEAT UP	DEEP-FROZEN ERYTHROCYTES (IN RUSSIAN)	2723
INDUCTION OF HYPERTHERMIA IN	DEEP-SEATED TUMORS BY A SPECIAL MICROWAVE APPLICATOR	0335
MICROWAVE APPLICATOR FOR EFFECTIVE	DEEP-TISSUE HEATING IN HUMANS	0049
RTWAVE AND MICROWAVE DIATHERMY FOR	DEEP-TISSUE HEATING	0205
CURRENT STIMULATION OF THE GROWING	DEER ANTLER	1834
HE MECHANISMS UNDERLYING THE IMMUNE	DEFECT	0946
X-LINKED B-LYMPHOCYTE IMMUNE	DEFECT IN CBA/N MICE, PART II: STUDIES OF THE MECHANISMS UNDERLYIN	0946
R FOR THE DETERMINATION OF THE HEAT	DEFECT OF LOW ENERGY X-RAYS	3248
TIMULATION OF INDUCED CORTICAL BONE	DEFECTS	2233
TION OF OSTEOGENESIS IN PERIODONTAL	DEFECTS	2774
AE AND THE EFFECT ON FRESH FRACTURE	DEFECTS IN RADII	2773
THE CAUSE OF CANCER: BIOCHEMICAL	DEFECTS IN THE CANCER CELL DEMONSTRATED BY THE EFFECTS OF EMR, GLU	0079
NON-MENDELIAN DEVELOPMENTAL	DEFECTS : ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DI	2889
ELECTRONIC WARFARE TO THE NATIONAL	DEFENSE POSTURE	1887
MULATION, BY PHYSICAL MEANS, OF THE	DEFENSES OF THE MOUSE AND RAT AGAINST EXPERIMENTAL TRYPANOSOMA	1773
	DEFIBRILLATION	1880
HUMAN SKIN BURNS INDUCED BY	DEFIBRILLATOR DEFAULT CURRENT	1873
PATHOGENESIS OF INSULIN	DEFICIENCY INDUCED BY ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FRE	0014
PATHOGENESIS OF INSULIN	DEFICIENCY ON EXPOSURE TO COMMERCIAL-FREQUENCY ALTERNATING MAGNETI	0249
NEURAL FUNCTION AND BEHAVIOR:	DEFINING THE RELATIONSHIP	1095
MICROWAVE-INDUCED HYPERTHERMIA DOSE	DEFINITION	0043
HYPERTHERMIA DOSE	DEFINITION	2639
RADIO WAVES AND MICROWAVES- BASIC	DEFINITIONS AND CONCEPTS	0110
N- IONISING RADIATIONS: QUANTITIES,	DEFINITIONS , AND UNITS OF ABSORBED EM ENERGY--AN ESSAY	1905
D IN THE TREATMENT OF PATIENTS WITH	DEFORMING ARTHROSIS OF THE KNEE JOINTS	0278
D CENTIMETER WAVES ON PATIENTS WITH	DEFORMING OSTEOARTHROSIS	0237
	DEFORMITY AND INTRA-UTERINE DEATH AFTER SHORT-WAVE THERAPY IN EARL	2879
TESTICULAR	DEGENERATION AS A RESULT OF MICROWAVE IRRADIATION	2891
GIANT MAST CELLS--A SPECIAL	DEGENERATIVE FORM PRODUCED BY MICROWAVE RADIATION	0651
MOTOR COORDINATION OR BALANCE	DEGRADATION DURING MICROWAVE ENERGY EXPOSURE	0349
IALS TO TEMPERATURES EXCEEDING 2000	DEGREE C	3341
IONS OF ETHYLENE GLYCOL BETWEEN +15	DEGREE CELSIUS AND -70 DEGREE CELSIUS	0172
BETWEEN +15 DEGREE CELSIUS AND -70	DEGREE CELSIUS	0172
N ULTRASONIC BRAIN EXAMINATION -360	DEGREE COMPOUND SCAN	3377
IMETHYL- SULFOXIDE, FREEZING AT -80	DEGREES CELSIUS, AND THAWING BY MICROWAVE ILLUMINATION	2698
IN MALE CONTRACEPTION (HOT WATER 60	DEGREES CELSIUS, INFRARED, MICROWAVE, AND ULTRASOUND)	0932
ATMENT OF LARGE SOLID TUMOURS AT 50	DEGREES CENTRIGRADE	2694
HANGES OF THE ACTIVITY OF SUCCINATE	DEHYDROGENASE IN CELLS OF VARIOUS BRAIN STRUCTURES UNDER THE EFFEC	1399
THE ACTIVITY OF GLUCOSE-6-PHOSPHATE	DEHYDROGENASE IN HUMAN BLOOD	1982
R OF RING-BILLED GULL CHICKS (LARUS	DELAWARENSIS) EXPOSED TO PROJECT SANGUINE'S ELECTRIC AND MAGNETIC	1762
MITOTIC	DELAY IN THE SLIME MOULD PHYSARUM POLYCEPHALUM INDUCED BY LOW INTE	0907
MICROWAVE TIME	DELAY SPECTROSCOPIC IMAGERY OF ISOLATED CANINE KIDNEY	0423
IELECTRIC TARGETS BY MICROWAVE TIME	DELAY SPECTROSCOPY	3410
IOSTEAL PROLIFERATION IN NORMAL AND	DELAYED FRACTURE HEALING	2782
COURSE OF ALLERGIC REACTIONS OF THE	DELAYED TYPE	0317
ULATION IN AN EXPERIMENTAL MODEL OF	DELAYED UNION	2403
ATION USING METHYL METHACRYLATE FOR	DELAYED UNION OF OPEN TIBIAL FRACTURE WITH SEGMENTAL LOSS	2781
A CASE OF PROLONGED, REVERSIBLE	DEMENTIA ASSOCIATED WITH ABUSE OF ELECTROCONVULSIVE THERAPY	1311
QUANTITATIVE EVIDENCE FOR PROTEIN	DENATURATION AS THE CAUSE OF THERMAL DEATH	3500
THERMAL	DENATURATION OF DNA EXPOSED TO 2450 MHZ CW MICROWAVE RADIATION	1972
PERCUTANEOUS RADIOFREQUENCY	DENERVATION OF SPINAL FACETS	1331
ERHIGH AND ULTRAHIGH FREQUENCIES IN	DENSELY POPULATED AREAS	0889
BIOLOGICAL EFFECTS AT VARIOUS POWER	DENSITIES	2137
EXPOSED TO MICROWAVES AT LOW POWER	DENSITIES	2764
PERFREQUENCY RADIATION OF LOW POWER	DENSITIES (IN FRENCH)	2631
UMENTATION FOR THE MEAS OF RF POWER	DENSITIES ASSOCIATED WITH RADIATION HAZARDS	3305
HIC MEASUREMENT OF POWER ABSORPTION	DENSITIES IN SPHEROIDAL TISSUE STRUCTURES AND PHANTOM MODELS OF MA	1740

AN INVESTIGATION OF ENERGY	DENSITIES IN THE VICINITY OF VEHICLES WITH MOBILE COMMUNICATIONS E.	0167
ENERGY	DENSITIES OF MICROWAVE RADIATING SYSTEMS	3459
EXPOSED TO MICROWAVES OF LOW POWER	DENSITY	1141
IPLE ANIMAL EXPOSURE AT EQUAL POWER	DENSITY	1617
CIRCULAR-APERTURE AXIAL POWER	DENSITY	3182
MICROWAVE POWER	DENSITY ABSORPTION IN A SPHERICAL MULTILAYERED MODEL OF THE HEAD	2198
PRECISE MICROWAVE POWER	DENSITY CALIBRATION METHOD USING THE POWER EQUATION TECHNIQUES	3625
MEASUREMENT OF POWER	DENSITY FROM MARINE RADAR	0757
POWER	DENSITY IN NEAR FIELD OF SMALL LINEAR ANTENNAS	1642
INDUCED EM FIELD AND ABSORBED POWER	DENSITY INSIDE A HUMAN TORSO	1795
INDUCED EM FIELD AND ABSORBED POWER	DENSITY INSIDE HUMAN TORSOS BY 1 TO 500 MHZ EM WAVES	1608
T AVERAGING TIME ON MICROWAVE POWER	DENSITY MEASUREMENTS	0614
ISOTROPIC PROBE FOR MICROWAVE POWER	DENSITY MEASUREMENTS	2437
POWER	DENSITY MEASUREMENTS IN THE NEAR FIELDS	1149
T AVERAGING TIME ON MICROWAVE POWER	DENSITY MEASUREMENTS, BRH/DEP 70-12	3031
T OF LIQUID CRYSTAL MICROWAVE POWER	DENSITY METER	2850
ENERGY	DENSITY METER DEVELOPED FOR MICROWAVE HAZARDS	1725
PMENT OF NEAR-FIELD ELECTRIC ENERGY	DENSITY METER MODEL EDM-2	1011
T OF LIQUID CRYSTAL MICROWAVE POWER	DENSITY METER	3358
ANTENNAS + FIELD STRENGTH AND POWER	DENSITY METERS	3298
LTIPLE-ANIMAL ARRAY FOR EQUAL POWER	DENSITY MICROWAVE IRRADIATION	2127
EFFECT OF HIGH-POWER	DENSITY MICROWAVE IRRADITION ON SOLUBLE PROTEINS OF THE RABBIT LEN	0179
BRAIN OF RATS EXPOSED TO LOW POWER	DENSITY MICROWAVE RADIATION	2412
THE EFFECTS OF LOW POWER	DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES	0220
VARIATION IN THE SURFACE-CHARGE	DENSITY OF AN EXCITABLE NERVE MEMBRANE EXPOSED TO OPTICAL RADIATIO	1839
MAXIMUM FLUX	DENSITY OF THE POWER FROM A BROADCAST SATELLITE IN THE 620-790 MHZ	2323
ERCIAL THERMOCOUPLE MICROWAVE POWER	DENSITY PROBE	0589
IC CONSEQUENCES OF EXPOSURE TO HIGH	DENSITY PULSED EM ENERGY	2084
FOR MEASUREMENT OF MICROWAVE POWER	DENSITY UNDER FAR-FIELD CONDITIONS	1102
ATION OF PLANE-WAVE MICROWAVE POWER	DENSITY USING POWER EQUATION TECHNIQUES	0057
POWER	DENSITY ZONES IN THE VICINITY OF RADAR ANTENNAS	2790
	DENSITY , FAT, WATER AND SOLIDS IN FRESHLY ISOLATED TISSUES	0444
TORY SYSTEM RESPONSE TO LOWER POWER	DENSITY , PULSE MODULATED, EM ENERGY: A SEARCH FOR MECHANISMS	1135
IATION EMISSIONS FROM THE NUVE-LITE	DENTAL APPLIANCE	3624
OCULAR HEATING DURING	DENTAL DIATHERMY TREATMENT	2465
REDUCTION OF	DENTAL POSTSURGICAL SYMPTOMS USING NONTHERMAL PULSED HIGH-PEAK-POW	1810
NG SYNAPTIC POTENTIATION IN THE RAT	DENTATE GYRUS FOLLOWING BRIEF HIGH FREQUENCY STIMULATION	2857
Y ELECTRIC FIELDS IN AQUEOUS SODIUM	DEORYRIBONUCLEATE	3211
PLICATIONS OF MICROWAVE ENERGY, BRH/	DEP 70-10	3029
ARIATIONS FROM MICROWAVE OVENS, BRH/	DEP 70-11	3030
AVE POWER DENSITY MEASUREMENTS, BRH/	DEP 70-12	3031
LEVISION. SERVICE TECHNICIANS - BRH/	DEP 70-14	3055
287 PROBE TO MICROWAVE FIELDS, BRH/	DEP 70-20	3033
EVALUATION OF MICROWAVE OVENS, BRH/	DEP 70-25 ,	3034
ER TYPES OF IONIXING RADIATION, BRH/	DEP 70-28	3035
TRONIC PRODUCT INVENTORY STUDY, BRH/	DEP 70-29 SELECTED NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL A	3036
ERCIAL AND INDUSTRIAL PURPOSES, BRH/	DEP 70-30	3036
ERCIAL AND INDUSTRIAL PURPOSES, BRH/	DEP 70-30	3037
N OF A KIT-FORM MICROWAVE OVEN, BRH/	DEP 71-7	3038
WAVE GENERATORS, (FDA) 73-8010, BRH/	DEP 73-1	3039
00 MICROWAVE SURVEY INSTRUMENT, BRH/	DEP N71-2	3040
AIN OF PYRAMIDAL HORN ANTENNAE, BRH/	DEP N71-3	3041
E-LAW DETECTORS, (FDA) 72-8004, BRH/	DEP N72-2	3042
E-SECONDS METER, (FDA) 73-8004, BRH/	DEP N73-1	3043
INSTRUMENTATION, (FDA) 73-8030, BRH/	DEP N73-3	3044
FREQUENCY	DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC F	0981
FREQUENCY	DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC F	3559
DISTRIBUTION AND FREQUENCY	DEPENDENCE OF INCIDENTIAL MAN-MADE HF/VHF NOISE IN METROPOLITAN AR	3179
SH MUSCLE IN THE FROZEN STATE: TIME	DEPENDENCE OF ITS MICROWAVE DIELECTRIC PROPERTIES	0901
CZECHOSLOVAK STUDY OF THE	DEPENDENCE OF THE ALBEDO ON THE HEIGHT OF THE SUN AND ON CLOUDINES	3452
THE	DEPENDENCE OF THE FUNCTIONAL ACTIVITY OF LIVER MITOCHONDRIA ON SUP	1403
THE FREQUENCY	DEPENDENCE OF THE KERR EFFECT FOR SUSPENSIONS OF RIGID PARTICLES	1732
TEMPERATURE	DEPENDENCE OF THE MICROWAVE PROPERTIES OF AQUEOUS SOLUTIONS OF ETH	0172
THE	DEPENDENCE OF THE TEMPERATURE RESPONSE TO MICROWAVE IRRADIATION ON	1459
ON THE MAGNETIC FIELD	DEPENDENCE OF THE YIELD OF THE TRIPLET STATE IN REACTION CENTERS O.	2401

	DEPENDENCE OF TOTAL AND DISTRIBUTED ABSORBED MICROWAVE ENERGY UPON	2194
DISCUSSION PAPER: STRONG	DEPENDENCE OF WHOLE ANIMAL ABSORPTION ON POLARIZATION AND FREQUENC	1104
FIELD	DEPENDENCY-INDEPENDENCY : A REVIEW OF THE LIT	1219
	DEPOLARIZATION OF THE NEURALLY BLOCKED GASTRIC MUCOSA OF THE RAT	0623
POWER	DEPOSITION IN A SPHERICAL MODEL OF MAN EXPOSED TO 1-20-MHZ EM FIEL	1700
G INDUCED INTERNAL FIELDS AND POWER	DEPOSITION IN BIOLOGICAL MEDIA OF COMPLEX IRREGULAR GEOMETRY EXPOS	2670
NUMERICAL STUDY OF EM POWER	DEPOSITION IN BIOLOGICAL TISSUE BODIES	2192
ELECTROMAGNETIC FIELDS AND POWER	DEPOSITION IN BODY- OF-REVOLUTION MODELS OF MAN	0097
ENERGY	DEPOSITION IN HOMEGENEOUS AND MULTILAYER TISSUE SPHERES AND EFFECT	2447
CONDITIONS OF STRONGEST EM POWER	DEPOSITION IN MAN AND ANIMALS	1389
EM POWER	DEPOSITION IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIA	0811
RESONANT ELECTROMAGNETIC POWER	DEPOSITION IN MAN WITH AND WITHOUT GROUND EFFECTS	3618
DISTRIBUTION OF EM ENERGY	DEPOSITION IN MODELS OF MAN WITH FREQUENCIES NEAR RESONANCE	2188
EM POWER	DEPOSITION IN PROLATE SPHEROID MODELS OF MAN AND ANIMALS AT RESONA	2785
	DEPOSITION OF EM ENERGY IN ANIMALS AND IN MODELS OF MAN WITH AND W	2733
A NEW TECHNIQUE FOR MEASURING POWER	DEPOSITION PATTERNS IN PHANTOMS EXPOSED TO EM FIELDS OF ARBITRARY	1192
ETER FOR MEASURING RADIATION ENERGY	DEPOSITION PROFILES IN TRANSPARENT LIQUIDS	3301
DS IN THE TREATMENT OF NEUROSES AND	DEPRESSION	1232
ND THE EFFECTS OF ECT IN ENDOGENOUS	DEPRESSION	1652
	DEPRESSION OF PHAGOCYTOSIS: A NON-THERMAL EFFECT OF MICROWAVES RAD	2019
LSIVE THERAPY AND EEG CORRELATES IN	DEPRESSIVE DISORDERS	1870
AMENDMENTS TO THE U. S.	DEPT . OF HEALTH, EDUCATION, AND WELFARE MICROWAVE OVEN PERFORMANCE	1817
FFECT OF MICROWAVE RADIATION IN THE	DEPT . OF PHYSICAL INJURY AT THE INST. OF INDUSTRIAL MED	1922
REPT. FROM STATE U. OF IOWA,	DEPT . OF PHYSIOL	1464
OMPLEX PERMITTIVITY AND PENETRATION	DEPTH OF CERTAIN BIOLOGICAL TISSUE BETWEEN 40 AND 90 GHZ	3243
OMPLEX PERMITTIVITY AND PENETRATION	DEPTH OF MUSCLE AND FAT TISSUES BETWEEN 40 AND 90 GHZ	1234
DIE BESTIMMUNG	DER DIELEKTRISCHEN UND MAGNETISCHEN EIGENSHAFTEN INHOMOGENER DIELE	3486
TZ THEORY TO THE CALCULATION OF VAN	DER WAALS FORCES ACROSS THIN LIPID FILMS	3225
UCTOTHERAPY OF THE LUMBAR REGION IN	DERMATOLOGY (IN RUSSIAN)	2716
S ULTRA-COURTES: ETUDE PARTICULIERE	DES EFFETS DE CES ONDES SUR LA REPRODUCTION DE CES ANIMAUX	2919
ERALES OBSERVEES CHEZ DES SOURIS ET	DES RATS EXPOSES AUX ONDES ULTRA-COURTES: ETUDE PARTICULIERE DES E..	2919
S LESIONS VISCERALES OBSERVEES CHEZ	DES SOURIS ET DES RATS EXPOSES AUX ONDES ULTRA-COURTES: ETUDE PART..	2919
ENVIRONMENTAL PROTECTION FROM EMR	DESCRIBED	1496
	DESYNCHRONIZATION AND RESYNCHRONIZATION OF HUMAN CIRCADIAN RHYTHMS	0673
SYSTEM TO	DETECT AND TREAT CANCER, USING MICROWAVES FOR BOTH TASKS	0409
MICROWAVES HELP	DETECT TUMORS	0157
THAT GEOMAGNETIC VARIATIONS CAN BE	DETECTED BY LORENZINIAN AMPULLAE	0404
OW UP IN STRONG ELECTRIC FIELDS FOR	DETECTING EMISSION IN THE MILLIMETER AND SUBMILLIMETER BANDS	2343
CANCER THERAPY,	DETECTION AIDED BY MICROWAVE TECHNOLOGY	1172
	DETECTION AND EVALUATION OF RADIOFREQUENCY EM RADIATION- INDUCED B	2397
EMICAL MECHANISM FOR MAGNETIC FIELD	DETECTION BY MIGRATORY BIRDS AND HOMING PIGEONS	2511
TUMOR	DETECTION BY NUCLEAR MAGNETIC RESONANCE	1967
ION ENHANCEMENT THERMOGRAPHIC TUMOR	DETECTION ENHANCEMENT	0050
ION ENHANCEMENT THERMOGRAPHIC TUMOR	DETECTION ENHANCEMENT THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT	0050
THERMOGRAPHIC TUMOR	DETECTION ENHANCEMENT THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT TH	0050
A COMPARISON OF MICROWAVE	DETECTION INSTRUMENTS	0776
	DETECTION OF BREAST CANCER BY MICROWAVE RADIOMETRY	2750
VE THERMOGRAPHY: APPLICATION TO THE	DETECTION OF BREAST CANCER, 2:375-385, 1978	0066
	DETECTION OF EMR FROM THE BRAIN	2312
BIOCHEMICAL BLOOD INDICES IN EARLY	DETECTION OF LESIONS DUE TO PULSED LOW-FREQUENCY EM FIELDS	2047
	DETECTION OF MILLIMETER AND SUBMILLIMETER EMISSION BY MEANS OF JOS	2314
THE	DETECTION OF RF DAMAGE TO HIGH MOLECULAR WEIGHT BIOPOLYMERS BY RAM	1609
MAGNETOENCEPHALOGRAPHY:	DETECTION OF THE BRAIN'S ELECTRICAL ACTIVITY WITH A SUPERCONDUCTIN	2101
	DETECTION OF WEAK EMR BY THE MAMMALIAN VESTIBULOCOCHLEAR APPARATUS	1071
ANATOMICAL LOCALIZATION OF HUMAN	DETECTION OF WEAK EMR: EXPERIMENTS WITH DOWSERS	0155
BUMIN USING A CROSSED BEAM EXPOSURE/	DETECTION SYSTEM	3555
VE THERMOGRAPHY - A SURVEY ON TUMOR	DETECTION	0229
A NONINVASIVE MICROWAVE APNEA	DETECTOR	0381
SIMPLE X-RAY	DETECTOR INSTRUMENTS FOR TELEVISION. SERVICE TECHNICIANS - BRH/DEP	3055
INEXPENSIVE, PORTABLE RADIATION	DETECTOR KEEPS TABS ON RADIO-RELAY AND MICROWAVE-OVEN LEAKS	0872
FIELD	DETECTOR WORKS IN REAL TIME	3360
ICOIL 'PERSONAL RF RADIATION HAZARD	DETECTOR '	0214
OWAVE MEASUREMENTS AND NEW TYPES OF	DETECTORS FOR EVALUATION OF HEALTH HAZARDS	0580
GERM-GAS ELECTRONIC	DETECTORS NEEDED	0528
BIRD FEATHERS AS SENSORY	DETECTORS OF MICROWAVE FIELDS	1543

ER MEASUREMENT USING NON-SQUARE-LAW	DETECTORS , (FDA) 72-8004, BRH/DEP N72-2	3042
ED GALLIUM-DOPED SILICON 8-14 MM IR	DETECTORS	3354
OLOGRAPHY USING LIQUID CRYSTAL AREA	DETECTORS	3362
SOME TISSUE	DETERMINANTS OF INTERACTIONS WITH ELECTRIC FIELDS	2429
	DETERMINATION AND ELIMINATION OF HAZARDOUS MICROWAVE FIELDS ABOARD	0485
	DETERMINATION OF A THERMAL EQUIVALENT OF MILLIMETER MICROWAVES IN	0413
EXPERIMENTAL AND THEORETICAL	DETERMINATION OF ABSORBED MICROWAVE DOSE RATE DISTRIBUTIONS IN PHA	2590
E USE OF MICROWAVE RADIATION IN THE	DETERMINATION OF ACETYLCHOLINE IN THE RAT BRAIN	2516
ON THE	DETERMINATION OF AN OPTIMUM MICROWAVE DIATHERMY FREQUENCY FOR A DI	3284
USE OF MICROWAVE TECHNIQUES FOR THE	DETERMINATION OF BOUND WATER	3207
THE	DETERMINATION OF COMPLEX DIELECTRIC CONSTANTS OF ABSORPTIVE LIQUID	3332
: PROGRESS REPT. ON FEASIBILITY AND	DETERMINATION OF CRITICAL VARIABLES	2613
ARIATIONAL CALCULUS APPROACH TO THE	DETERMINATION OF EM FIELDS IN IRREGULAR GEOMETRY	2197
TANCE OF BOUND WATER STUDIES IN THE	DETERMINATION OF ENERGY ABSORPTION IN BIOLOGICAL TISSUES	3271
	DETERMINATION OF ENERGY ABSORPTION OF MICROWAVE RADIATION USING TH	1820
	DETERMINATION OF ENERGY ABSORPTION OF MICROWAVE RADIATION USING TH	3256
	DETERMINATION OF EXPOSURE TO ELECTRIC FIELDS IN EXTRA HIGH VOLTAGE	1644
RONMENT IN RADIOLOCATION: METHOD OF	DETERMINATION OF MICROWAVE EFFECTS	1138
	DETERMINATION OF POWER ABSORPTION IN MAN EXPOSED TO HIGH FREQUENCY	1246
NON-CONTACT	DETERMINATION OF TEMPERATURE CHANGES IN MICE DURING MICROWAVE IRRA	1695
	DETERMINATION OF THE ABSORPTION OF MICROWAVE RADIATION BY A BIOLOG	0744
	DETERMINATION OF THE ABSORPTION OF MICROWAVE RADIATION BY A BIOLOG	3091
	DETERMINATION OF THE ABSORPTION OF MICROWAVE RADIATION BY A BIOLOG	3257
	DETERMINATION OF THE COEFFICIENT OF REFLECTION FOR MULTILAYERED SY	0605
RESONANCE METHOD FOR THE	DETERMINATION OF THE COMPLEX DIELECTRIC CONSTANT OF BIOLOGIC MATER	0883
	DETERMINATION OF THE EFFECTS OF EM ENERGIES ON THE HEMATOLOGIC SYS	2614
TRONIC STIMULATOR FOR THE AUTOMATIC	DETERMINATION OF THE EXCITABILITY CYCLE	2334
ISOTHERMAL TWIN CALORIMETER FOR THE	DETERMINATION OF THE HEAT DEFECT OF LOW ENERGY X-RAYS	3248
	DETERMINATION OF THE IN SITU GROUND CONDUCTIVITY AND RELATIVE DIEL	3049
	DETERMINATION OF THE REQUIREMENTS ON THE HOMOGENEITY OF THE ELECTR	0276
	DETERMINATION OF THRESHOLD OF SENSITIVITY OF THE RABBIT BRAIN TO P	1940
OR RELATIVE ABORPTION CROSS-SECTION	DETERMINATION	3317
A REVIEW OF	DETERMINATIONS OF RADIATION DOSE TO THE ACTIVE BONE MARROW FROM DI	3083
RADIATION DURING THE SECOND DAY OF	DEVELOPMENT	1321
: A CONSIDERATION IN FUSION REACTOR	DEVELOPMENT	1638
2.45-GHZ MICROWAVE RADIATION DURING	DEVELOPMENT	2547
S TO 918 MHZ MICROWAVE RADIATION ON	DEVELOPMENT AND BEHAVIOR IN RATS	2700
	DEVELOPMENT AND CONSTRUCTION OF AN EM NEAR-FIELD SYNTHESIZER	0958
NGED HIGH TEMPERATURE ON TESTICULAR	DEVELOPMENT AND FERTILITY IN THE MALE RAT	2890
750-1500 KV A.C. POWER-TRANSMISSION	DEVELOPMENT AND UTILIZATION OF VARIOUS TYPES OF EQUIPMENT ON THESE	3588
RESEARCH AND	DEVELOPMENT FOR THE ELECTRIC UTILITY INDUSTRY 1975-2000	3165
CHICK EMBRYO	DEVELOPMENT IN A 26-KHZ EM FIELD	1014
THE COURSE OF PREGNANCY AND PROGENY	DEVELOPMENT IN ALBINO RATS	1430
FETAL RAT	DEVELOPMENT IN RESPONSE TO MICROWAVE RADIATION	2899
TAL LOW-LEVEL MICROWAVE EXPOSURE ON	DEVELOPMENT IN THE RAT	2677
RESEARCH AND	DEVELOPMENT IN TRANSMISSION AND DISTRIBUTION FOR THE ELECTRIC UTIL	3166
	DEVELOPMENT OF A 915-MHZ DIRECT-CONTACT APPLICATOR FOR THERAPEUTIC	0045
THE	DEVELOPMENT OF A LONG-TERM PROGRAMME ON NON-IONIZING RADIATION PRO	3121
THE	DEVELOPMENT OF A NEW METHOD OF HEPATECTOMY BY RADIATION OF MICROWA	0919
	DEVELOPMENT OF A RADAR RADIATION PROTECTIVE SUIT FOR NAVAL PERSONN	2604
	DEVELOPMENT OF AN RF NEAR-FIELD EXPOSURE SYNTHESIZER (10 TO 40 MHZ	1845
AL FACTORS (MAGNETIC FIELDS) ON THE	DEVELOPMENT OF ARTEMIA SALINA EGGS (IN FRENCH)	2143
EFFECTS OF UHF MAGNETIC FIELDS ON	DEVELOPMENT OF ARTERIAL AND LYMPHATIC COLLATERALS (AN EXPERIMENTAL	2810
	DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION - II: CALC	3600
	DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION - III: DOS	3601
	DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--I: DOSIME	1026
	DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--II: CALCU	1027
	DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--III: DOSE	1028
	DEVELOPMENT OF EHV AND UHV SYSTEMS IN THE USSR	3582
	DEVELOPMENT OF ELECTRIC AND MAGNETIC NEAR-FIELD PROBES	1263
SOME GUIDELINES FOR THE	DEVELOPMENT OF EMR STANDARDS	0822
T MAGNETIC FIELD INHIBITS EMBRYONIC	DEVELOPMENT OF FROGS	2115
RESEARCH AND	DEVELOPMENT OF FUNDAMENTAL PERFORMANCE INFORMATION RELEVANT TO THE	2576
EFFECT OF MICROWAVE ON	DEVELOPMENT OF GONADS AND ADRENAL GLANDS IN THE NEWBORN RAT	3415
THE	DEVELOPMENT OF HYPERTHERMIA MICROWAVE GENERATORS AND THERMOMETRY	2361

TS OF MICROWAVE RADIATION: ABNORMAL	DEVELOPMENT OF IRRADIATED INSECT PUPAE	0456
	DEVELOPMENT OF LIQUID CRYSTAL MICROWAVE POWER DENSITY METER	2850
	DEVELOPMENT OF LIQUID CRYSTAL MICROWAVE POWER DENSITY METER	3358
	DEVELOPMENT OF MAGNETIC NEAR-FIELD PROBES	1186
LOW INTENSITY NONIONIZING EMR. I.	DEVELOPMENT OF METHODOLOGY	2174
THE	DEVELOPMENT OF METHYLCHOLANTHRENE-INDUCED TUMORS IN MICE UNDER THE	2702
HISTOPATHOLOGICAL CHANGES DURING	DEVELOPMENT OF MICROWAVE CATARACTS	2683
	DEVELOPMENT OF NEAR-FIELD ELECTRIC ENERGY DENSITY METER MODEL EDM-	1011
GROWTH AND	DEVELOPMENT OF NEONATAL MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS	0743
Z ELECTRIC FIELDS ON THE GROWTH AND	DEVELOPMENT OF PLANTS	2833
Z ELECTRIC FIELDS ON THE GROWTH AND	DEVELOPMENT OF PLANTS AND ANIMALS	2791
	DEVELOPMENT OF PROBES AND MEASUREMENT TECHNIQUES FOR AUTOMATED INT	3619
BACKGROUND MATERIAL FOR THE	DEVELOPMENT OF RADIATION PROTECTION STANDARDS	3546
ECTS AND DOSIMETRIC DATA USEFUL FOR	DEVELOPMENT OF RADIOFREQUENCY SAFETY STANDARDS FOR HUMAN EXPOSURE	0439
	DEVELOPMENT OF REGULATORY PROGRAMS UNDER THE RADIATION CONTROL FOR	0472
	DEVELOPMENT OF RETICULOCYTOSIS IN THE PERIPHERAL BLOOD DURING AN E	1628
ERFERON INDUCERS (POLY I-POLY C) ON	DEVELOPMENT OF SARCOMA 180 IN MICE	1160
EXPERIMENTAL	DEVELOPMENT OF SIMULATED BIOMATERIALS FOR DOSIMETRY STUDIES OF HAZ	0858
TO DETERMINE THE NECESSITY FOR THE	DEVELOPMENT OF STANDARDS FOR THE USE OF SELECTED NONMEDICAL ELECTR	0756
NORMAL	DEVELOPMENT OF THE FRUITFLY DROSOPHILA IN VLF MAGNETIC FIELDS (IN	2071
DIPOLES - A NEW HYPOTHESIS. PT III:	DEVELOPMENT OF THE PHYSICS OF THE THEORY, & EXPERIMENTAL CORRELATI	0123
MR ON IMPLANTATION AND INTRAUTERINE	DEVELOPMENT OF THE RAT	1087
	DEVELOPMENT OF VHF AND UHF PROPAGATION CURVES FOR TV AND FM BROADC	3523
DISCUSSION OF LONG-RANGE	DEVELOPMENT PLANS IN THE AIR FORCE	1561
ALUATION (VALIDATION AND FULL-SCALE	DEVELOPMENT)	2283
IC AND MAGNETIC FIELDS UPON GROWTH,	DEVELOPMENT , AND BEHAVIOR IN DOMESTIC BIRDS, PHASE I: CONTINUOUS W	1786
OW LEVEL MAGNETIC FIELDS ON GROWTH,	DEVELOPMENT , AND BIOCHEMISTRY OF THE CHICK EMBRYO, GALLUS DOMESTIC	0099
NTAL IMPACT STATEMENT FOR RESEARCH,	DEVELOPMENT , TEST AND EVALUATION	3612
NTAL IMPACT STATEMENT FOR RESEARCH,	DEVELOPMENT , TEST AND EVALUATION (VALIDATION AND FULL-SCALE DEVELO	2283
ERTHERMIA ON PREGNANCY AND PRENATAL	DEVELOPMENT	2929
ILIZATION OF MICROWAVE RADIATION IN	DEVELOPMENTAL BIOLOGY RESEARCH	2877
NON-MENDELIAN	DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH	2889
A RESTRAINT	DEVICE FOR CATS IN AN UHF EM ENERGY FIELD	1045
AN INTERSTITIAL	DEVICE FOR MICROWAVE HYPERTHERMIA OF HUMAN TUMORS	0329
	DEVICE FOR THE MEASUREMENT OF INDUSTRIAL FREQUENCY ELECTRIC FIELD	1935
A PRIMATE-RESTRAINT	DEVICE FOR USE IN MICROWAVE BIOLOGICAL RESEARCH	1951
SAFETY OF MICROWAVE	DEVICES	0583
SAFETY OF MICROWAVE	DEVICES	0585
SS IN ELECTRONIC MEDICAL PROSTHETIC	DEVICES	0642
NTROL OF INDUSTRIAL MICROWAVE POWER	DEVICES	0788
THE LEVEL OF RF ENERGY FROM VARIOUS	DEVICES	1269
ANT MAGNETIC FIELDS IN PLASMA STUDY	DEVICES	1340
AFETY STANDARDS FOR ELECTROSURGICAL	DEVICES	1954
CEDURES FOR ALL OPEN BEAM MICROWAVE	DEVICES	2521
RES FOR ALL CLOSED CAVITY MICROWAVE	DEVICES	2522
EMC STANDARD FOR MEDICAL ELECTRONIC	DEVICES	2831
	DEVICES FOR MICROWAVE HYPERTHERMIA	0341
OF NON-IONIZING RADIATION EMITTING	DEVICES IN CANADA	2058
USE OF RADIOFREQUENCY AND MICROWAVE	DEVICES IN THE FREQUENCY RANGE 10 MHZ - 300 GHZ	0284
FECT OF MICROWAVES EMITTED BY RADAR	DEVICES ON THE TESTICLES AND EPIDIDYMIDES OF RABBIT, COMMUNICATION	2502
EFFECTS OF HYPOPHYSECTOMY AND	DEXAMETHASONE ON RAT ADRENAL RESPONSE TO MICROWAVES	0430
RELAXATION OF AQUEOUS SOLUTIONS OF	DEXTRAN	3403
AS TRANSLATED FROM O BIOLOGICHESKOM	DEYSTVII ELEKTROMAGNITNYKH POLEY RADIOCHASTOT, NO. 4, 1973, MOSCOW	3126
SCHAFTEN BIOLOGISCHER SUBSTANZEN IM	DEZIMETERWELLEN-BEREICH	3485
NSHESONDERE BIOLOGISCHER KORPER, IM	DEZIMETERWELLENBEREICH	3486
RVEYS FOR MICROWAVE OCULAR EFFECTS (	DHEW-FDA 73-8031)	2967
USE OF	DIADYNAMIC CURRENTS IN THE TREATMENT OF INJURIES OF JOINTS (IN RUS	2069
OGRESS IN CLOSTRIDIAL ONCOLYSIS AND	DIAGNOSIS	2817
MICROWAVES FOR	DIAGNOSIS AND THERAPY	1910
	DIAGNOSIS AND TREATMENT OF NEUROPSYCHIC DISTURBANCES	2264
MONITORING AND	DIAGNOSIS OF PULMONARY EDEMA BY MICROWAVES: A PRELIMINARY REPORT	2463
CTROMAGNETIC TECHNIQUES FOR MEDICAL	DIAGNOSIS : A REVIEW	0391
	DIAGNOSTIC AND FORENSIC PROBLEMS IN CASES OF SO-CALLED 'MICROWAVE	1846
	DIAGNOSTIC APPLICATION OF MICROWAVE RADIATION IN PULMONARY MEDICIN	2202
MEDICAL	DIAGNOSTIC APPLICATIONS OF MICROWAVE RADIATION	1191

SURROUNDING COILS FOR INTRAUTERINE	DIAGNOSTIC PROCEDURES	1959
D GENETICALLY SIGNIFICANT DOSE FROM	DIAGNOSTIC RADIOL.: U. S., 1964 AND 1970	0986
EFFECT OF	DIAGNOSTIC ULTRASOUND ON MATERNAL AND FETAL CHROMOSOMES	2938
DOSE TO THE ACTIVE BONE MARROW FROM	DIAGNOSTIC X-RAY EXAMINATIONS	3083
	DIAGNOSTIC X-RAY SYSTEMS AND THEIR MAJOR COMPONENTS	3003
F MICROWAVE RADIATION FOR PULMONARY	DIAGNOSTICS	1241
CLINICAL EVALUATION OF	DIAPULSE AS ADJUNCTIVE THERAPY FOLLOWING FOOT SURGERY	1812
THE UTILIZATION OF	DIAPULSE THERAPY AS AN ADJUNCTIVE TREATMENT IN ORAL SURGERY	1807
EFFECT OF PULSED EM ENERGY (	DIAPULSE) OF EXPERIMENTAL HEMATOMAS	1828
HIGH FREQUENCY, RADIO SHORT WAVES (	DIAPULSE). 646 PATIENTS	1823
DOMETRIOSIS AS A COMPLICATION AFTER	DIATHERMIC COAGULATION OF THE UTERINE CERVIX (IN BULGARIAN)	1407
ICAL EFFECT OF 27.12-MHZ SHORT-WAVE	DIATHERMIC HEATING IN EXPERIMENTAL TUMORS	0036
CAUSED BY SHORT WAVE AND MICROWAVE	DIATHERMIES AND PULSED HIGH FREQUENCY CURRENT	2087
CT CONTACT APPLICATOR FOR MICROWAVE	DIATHERMY	0047
L BLOOD FLOW PRODUCED BY SHORT-WAVE	DIATHERMY	0620
CTION OF FALLOPIAN TUBE AFTER TUBAL	DIATHERMY	0846
OF SPACED APPLICATORS IN MICROWAVE	DIATHERMY	1154
ERES UNDER THE EFFECT OF BITEMPORAL	DIATHERMY	1996
E AND SCATTERED FIELDS IN MICROWAVE	DIATHERMY	2212
CT CONTACT APPLICATOR FOR MICROWAVE	DIATHERMY	2456
HAZARDS FROM THERAPEUTIC MICROWAVE	DIATHERMY	2464
CT-CONTACT APPLICATORS IN MICROWAVE	DIATHERMY	2742
BIOPHYSICS OF	DIATHERMY	3450
N OF ELECTROMAGNETIC AND ULTRASONIC	DIATHERMY	3534
MICROWAVE	DIATHERMY (OPERATOR MANUEL)	3376
EFFECT OF	DIATHERMY (SHORTWAVE AND MICROWAVE) ON BONE GROWTH IN THE ALBINO R	3371
ELECTRIC FIELD MAPPING OF MICROWAVE	DIATHERMY APPLICATORS	0033
NEW TYPES OF MICROWAVE	DIATHERMY APPLICATORS--COMPARISON OF PERFORMANCE WITH CONVENTIONAL	2674
EXPERIMENTAL STUDIES IN	DIATHERMY APPLIED TO THE EYE AND ORBIT A. THERMAL EFFECT OF DIATHE	3365
ND BIOLOGICALLY EFFECTIVE MICROWAVE	DIATHERMY DOSAGE	3368
MICROWAVE	DIATHERMY EQUIPMENT	2002
SURVEY OF	DIATHERMY EQUIPMENT USE IN PINELLAS COUNTY, FLORIDA	3097
A LIMITED MICROWAVE	DIATHERMY FIELD SURVEY	0759
EMPERATURE MEASUREMENT IN MICROWAVE	DIATHERMY FIELDS: PRINCIPLES AND PROBES	2459
SHORTWAVE AND MICROWAVE	DIATHERMY FOR DEEP-TISSUE HEATING	0205
TERMINATION OF AN OPTIMUM MICROWAVE	DIATHERMY FREQUENCY FOR A DIRECT CONTACT APPLICATOR	3284
	DIATHERMY IN OPHTHALMOLOGY (IN FRENCH)	1204
MICROWAVE	DIATHERMY IN OPTHALMOLOGY: CLINICAL EVALUATION	3370
PERIMENTAL OBSERVATIONS ON A PULSED	DIATHERMY MACHINE	0661
	DIATHERMY MEASUREMENT TECHNIQUE	3465
ATIVE EVALUATION OF ELECTROMAGNETIC	DIATHERMY MODALITIES IN 433 MHZ. TO 2450 MHZ	3327
E STUDY OF SHORT WAVE AND MICROWAVE	DIATHERMY ON BLOOD FLOW	0565
THE EFFECTS OF MICROWAVE	DIATHERMY ON THE EYE OF THE RABBIT	3367
THE EFFECTS OF MICROWAVE	DIATHERMY ON THE EYE	3366
THE EFFECTS OF	DIATHERMY ON THE FLOW OF BLOOD IN THE EXTREMITIES	0656
THE EFFECT OF MICROWAVE	DIATHERMY ON THE PERIPHERAL CIRCULATION AND ON TISSUE TEMPERATURE	0481
PERFORMANCE STANDARD FOR MICROWAVE	DIATHERMY PRODUCTS	3608
AN OVERVIEW OF	DIATHERMY SOURCES	3185
	DIATHERMY SURVEY	2130
RFERENCE WITH CARDIAC PACEMAKERS BY	DIATHERMY TESTED IN VARIOUS SIMULATION MODELS	0235
OCULAR HEATING DURING DENTAL	DIATHERMY TREATMENT	2465
	DIATHERMY VERSUS THE MICROWAVES AND OTHER RADIO-FREQUENCY RADIATIO	2381
EYE AND ORBIT A. THERMAL EFFECT OF	DIATHERMY	3365
USCLE LAYERS BY ELECTROMAGNETIC AND	DIATHERMY	3374
PHYSICAL MEDICINE:	DIATHERMY : MICROWAVE	3375
MICROWAVE	DIATHERMY : THE INVISIBLE HEALER	0119
ORIENTATION AND LINEAR	DICHROISM OF CHLOROPLASTS AND SUB- CHLOROPLAST FRAGMENTS ORIENTED	2704
	DIE BESTIMMUNG DER DIELEKTRISCHEN UND MAGNETISCHEN EIGENSHAFTEN IN	3486
	DIE DIELEKTRISCHEN EIGENSCHAFTEN BIOLOGISCHER SUBSTANZEN IM DEZIME	3485
CONTRIBUTIONS TO THE MOLECULAR	DIELECTRIC ANALYSIS OF POLAR LIQUIDS (I)	2282
	DIELECTRIC BEHAVIOUR OF METHYL PALMITATE IN THE MICROWAVE REGION	3482
	DIELECTRIC BEHAVIOUR OF METHYL PALMITATE:EVIDENCE OF RESONANCE ABS	3483
A COMPARISON OF THE	DIELECTRIC BEHAVIOUR OF PURE WATER AND HUMAN BLOOD AT MICROWAVE FR	0464
THE	DIELECTRIC BEHAVIOUR OF SOME TYPES OF HUMAN TISSUES AT MICROWAVE F	0463
	DIELECTRIC CONSTANT + LOSS	3314

MEASUREMENTS OF MATERIALS WITH HIGH	DIELECTRIC CONSTANT AND CONDUCTIVITY AT ULTRAHIGH FREQUENCIES	3338
COMPLEX	DIELECTRIC CONSTANT AND DISSIPATION FACTOR OF FOLIAGE	3335
A NEW METHOD FOR MEASURING	DIELECTRIC CONSTANT AND LOSS IN THE RANGE OF CENTIMETER WAVES	3333
MEASUREMENT OF THE	DIELECTRIC CONSTANT AND LOSS OF SOLIDS AND LIQUIDS BY A CAVITY PER	0988
RAPID MEASUREMENT OF	DIELECTRIC CONSTANT AND LOSS TANGENT	3446
A METHOD FOR DETERMINING THE	DIELECTRIC CONSTANT AND THE CONDUCTIVITY OF MEMBRANE-BOUNDED PARTI	1934
THE CONDUCTIVITY OF	DIELECTRIC CONSTANT OF A SPHERE DETERMINED BY SCATTERED FIELD MEAS	3563
OR THE DETERMINATION OF THE COMPLEX	DIELECTRIC CONSTANT OF BIOLOGIC MATERIALS IN THE MICROWAVE BAND	0883
OMETRIC MEASUREMENTS OF THE COMPLEX	DIELECTRIC CONSTANT OF LIQUIDS	3570
EFFECT OF A MAGNETIC FIELD ON THE	DIELECTRIC CONSTANT OF PROCESS WATER	0954
THE	DIELECTRIC CONSTANT OF WATER AS A FUNCTION OF TEMPERATURE AND PRES	3200
TU GROUND CONDUCTIVITY AND RELATIVE	DIELECTRIC CONSTANT VIA THE TWO-LOOP METHOD USING SWEPT FREQUENCY	3049
NCE METHOD FOR MEASUREMENT OF LARGE	DIELECTRIC CONSTANT WITH SMALL LOSS	3288
TIES OF FATTY ACID METHYL ESTERS.V.	DIELECTRIC CONSTANT	3199
THE DETERMINATION OF COMPLEX	DIELECTRIC CONSTANTS OF ABSORPTIVE LIQUIDS BY MICROWAVE INTERFEROM	3332
RATE DISTRIBUTION IN TRIPLE-LAYERED	DIELECTRIC CYLINDER WITH IRREGULAR CROSS SECTION IRRADIATED BY PLA	1122
TABLES OF	DIELECTRIC DISPERSION DATA FOR PURE LIQUIDS AND DILUTE SOLUTIONS (	3198
	DIELECTRIC DISPERSION IN BOVINE SERUM ALBUMIN	3205
LOW-FREQUENCY	DIELECTRIC DISPERSION IN SUSPENSIONS OF ION-EXCHANGE RESINS	1852
OF MICROORGANISMS V. LOW-FREQUENCY	DIELECTRIC DISPERSION OF BACTERIA	1917
LOW FREQUENCY	DIELECTRIC DISPERSION OF BIOLOGICAL TISSUES	0380
	DIELECTRIC DISPERSION OF CRYSTALLINE POWDERS OF AMINO ACIDS, PEPTI	3203
	DIELECTRIC DISPERSION OF DL-ALPHA-VALINE IN AQUEOUS SOLUTION	2798
	DIELECTRIC INCREMENT OF LOW MOLECULAR WEIGHT RNA IN DIOXANE AFTER	0641
USE OF A	DIELECTRIC LENS FOR EXPERIMENTAL MICROWAVE IRRADIATION OF THE EYE	1067
MICROWAVE IRRADIATION DESIGN USING	DIELECTRIC LENSES	1697
MICROWAVE	DIELECTRIC LOSS OF BACILLUS SUBTILIS SPORES IN AQUEOUS SUSPENSIONS	0960
	DIELECTRIC MATERIALS AND APPLICATIONS V. TABLES OF DIELECTRIC MATE	3258
ATION OF NONTHERMAL EFFECTS IN HIGH	DIELECTRIC MATERIALS TO MICROWAVE DOSIMETRY	1747
SCATTERING OF MICROWAVES BY	DIELECTRIC MATERIALS USED IN LAB. ANIMAL RESTRAINERS	1242
MEASUREMENTS OF	DIELECTRIC MATERIALS WITH THE PRECISON SLOTTED LINE	3347
RIALS AND APPLICATIONS V. TABLES OF	DIELECTRIC MATERIALS	3258
	DIELECTRIC MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQENCIES	3334
	DIELECTRIC MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQUENCIES	3463
ION OF THE BOUND WATER IN TENDON BY	DIELECTRIC MEASUREMENT	3213
MICROWAVE	DIELECTRIC MEASUREMENTS	3462
ESTIMATION OF PROTEIN HYDRATION BY	DIELECTRIC MEASUREMENTS AT MICROWAVE FREQUENCIES	0489
COAXIAL CELL FOR LIQUID	DIELECTRIC MEASUREMENTS FROM 300 TO 9000 MHZ	3339
RECOMMENDED GUIDE FOR MAKING	DIELECTRIC MEASUREMENTS IN THE FIELD	3517
	DIELECTRIC MEASUREMENTS OF LIQUIDS AT MICROWAVE FREQUENCIES	3467
	DIELECTRIC MEASUREMENTS OF NITELLOPSIS OBTUSA CELLS WITH INTRACELL	0870
ZONTAL ELECTRIC DIPOLE OVER LAYERED	DIELECTRIC MEDIA	0748
HOPPING LOSSES IN POLARISABLE	DIELECTRIC MEDIA	0750
TE IN THE ELLIPSOIDAL CONDUCTOR AND	DIELECTRIC MODELS OF HUMANS AND MONKEYS AT RADIO FREQUENCIES	2737
MICROWAVE METHOD FOR DETERMINING	DIELECTRIC PARAMETERS OF LIVING BIOLOGICAL OBJECTS I	0034
HIGH-FREQUENCY	DIELECTRIC PROCESSES IN LIQUIDS	3250
E. TIME DEPENDENCE OF ITS MICROWAVE	DIELECTRIC PROPERTIES	0901
BROADBAND MEASUREMENTS OF	DIELECTRIC PROPERTIES	2664
	DIELECTRIC PROPERTIES AND MEASUREMENT TECHNIQUES FOR BIOMOLECULES	1735
	DIELECTRIC PROPERTIES OF AQUEOUS IONIC SOLUTIONS,PART I	3197
	DIELECTRIC PROPERTIES OF BIOLOGICAL MATERIALS AND INTERACTION OF M	0873
THE EXTRAORDINARY	DIELECTRIC PROPERTIES OF BIOLOGICAL MATERIALS AND THE ACTION OF EN	1736
IN TECHNIQUE FOR MEASUREMENT OF THE	DIELECTRIC PROPERTIES OF BIOLOGICAL SUBSTANCES	2836
	DIELECTRIC PROPERTIES OF BRAIN TISSUE BETWEEN 0-01 AND 10 GHZ	0416
EFFECT OF DMSO ON THE	DIELECTRIC PROPERTIES OF CANINE KIDNEY TISSUE	2847
	DIELECTRIC PROPERTIES OF HYDRATED COLLAGEN	0010
MICROWAVE	DIELECTRIC PROPERTIES OF INSECTS AND GRAIN KERNELS	0840
	DIELECTRIC PROPERTIES OF MATERIALS FOR MICROWAVE PROCESSING-TABULA	3259
SOME	DIELECTRIC PROPERTIES OF MUSCLE MEMBRANE AND THEIR POSSIBLE IMPORT	2837
THE	DIELECTRIC PROPERTIES OF SOME LONG CHAIN FATTY ACIDS AND THEIR MET	3201
	DIELECTRIC PROPERTIES OF SYNAPTOSOMES ISOLATED FROM RAT BRAIN CORT	1933
THE	DIELECTRIC PROPERTIES OF THE BOVINE EYE LENS	3379
	DIELECTRIC PROPERTIES OF THE HUMAN BODY FOR WAVE-LENGTHS IN THE 1-	0474
	DIELECTRIC PROPERTIES OF THE HUMAN BODY IN THE MICROWAVE REGION OF	0475
MICROWAVE	DIELECTRIC PROPERTIES OF TISSUE	2770

THE	DIELECTRIC PROPERTIES OF WATER AND HEAVY WATER	3439
AVE RADIATION II. BIRD FEATHERS AS	DIELECTRIC RECEPTORS OF MICROWAVE RADIATION	2218
THE PROPERTIES OF BIRD FEATHERS AS	DIELECTRIC RECEPTORS OF MICROWAVE RADIATION AT KU-BAND FREQUENCIES	1830
BIRD FEATHERS AS	DIELECTRIC RECEPTORS OF RF FIELDS	1831
MICROWAVE	DIELECTRIC RELAXATION OF AQUEOUS SOLUTIONS OF DEXTRAN	3403
	DIELECTRIC RELAXATION OF COLLAGEN IN AQUEOUS SOLUTIONS	0031
	DIELECTRIC RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS	0041
A	DIELECTRIC RESONATOR METHOD OF MEASURING INDUCTIVE CAPACITIES IN T	3340
VISUAL OBSERVATION OF HIGH	DIELECTRIC RESONATOR MODES	3363
RE HIGH-Q BANDPASS FILTER EMPLOYING	DIELECTRIC RESONATORS	3353
ON BY RECTANGULAR-SHAPED CONDUCTIVE	DIELECTRIC SAMPLES IN STRIPLINE	1646
OF PLANE WAVES THROUGH TWO PARALLEL	DIELECTRIC SHEETS	3550
OWAVE FIELDS NEAR A FINITE, PLANAR,	DIELECTRIC SLAB	2720
TRIBUTION ALONG FINITE LENGTH LOSSY	DIELECTRIC SLABS IN WAVEGUIDE	1645
	DIELECTRIC STUDIES ON BIOPOLYMERS AND LIQUID STRUCTURE (I)	1904
MICROWAVE INTERROGATION OF	DIELECTRIC TARGETS BY MICROWAVE TIME DELAY SPECTROSCOPY	3410
MICROWAVE INTERROGATION OF	DIELECTRIC TARGETS BY SCATTERING PARAMETERS	3413
PARAMETERS OF PRECISION COAXIL, AIR	DIELECTRIC TRANSMISSION LINES	3530
CATOR FOR DIRECT-CONTACT HEATING OF	DIELECTRICALLY ENCAPSULATED MALIGNANT MOUSE TUMOR	2739
FOR USE IN BIOLOGICAL	DIELECTRICS	0168
EASUREMENTS OF THE LOSS IN LOW-LOSS	DIELECTRICS	3331
DISPERSION AND ABSORPTION IN	DIELECTRICS .I. ALTERNATING CURRENT CHARACTERISTICS	3208
TWO IMPEDANCE METHOD FOR WIDE RANGE	DIELECTROMETRY	2215
BIOLOGICAL	DIELECTROPHORESIS : THE BEHAVIOR OF LONE CELLS IN A NONUNIFORM ELE	2232
GNETISCHEN EIGENSHAFTEN INHOMOGENER	DIELEKTRIKEN , INSHESONDERE BIOLOGISCHER KORPER, IM DEZIMETERWELLEN	3486
DIE	DIELEKTRISCHEN EIGENSCHAFTEN BIOLOGISCHER SUBSTANZEN IM DEZIMETERW	3485
DIE BESTIMMUNG DER	DIELEKTRISCHEN UND MAGNETISCHEN EIGENSHAFTEN INHOMOGENER DIELEKTRI	3486
CHANGES IN ELECTRIC ACTIVITY OF	DIENCEPHALIC AREA AND CORTEX OF RABBIT'S CEREBRAL HEMISPHERES UNDE	1996
	DIENCEPHALIC STIMULATION AND THE EFFECTS OF ECT IN ENDOGENOUS DEPR	1652
	DIFFERENTIAL BIOLOGIC EFFECTS OF PULSED AND CONTINUOUS EM FIELDS A	1052
	DIFFERENTIAL EFFECTS OF EM FIELDS IN THE TREATMENT OF NEUROSES AND	1232
	DIFFERENTIAL HEATING OF CELL-TYPES BY ABSORPTION OF MAGNETIC ENERG	2328
WAVE-INDUCED TUMOR HYPERTHERMIA AND	DIFFERENTIAL HYPOTHERMIA IN A MURINE GLIOMA	2364
	DIFFERENTIAL RESPONSE TO ELECTRICAL STIMULATION: A DISTINCTION BET	2773
W FREQUENCY EM FIELDS ON GROWTH AND	DIFFERENTIATION OF PHYSARUM POLYCEPHALUM	1030
W FREQUENCY EM FIELDS ON GROWTH AND	DIFFERENTIATION OF PHYSARUM POLYCEPHALUM, PHASE I: CONTINUOUS WAVE	1753
YGEN-CONSUMPTION RATE OF MICE UNDER	DIFFERING DOSE RATES OF MICROWAVE RADIATION	2745
YGEN-CONSUMPTION RATE OF MICE UNDER	DIFFERING DOSE RATES OF MICROWAVE RADIATION	2900
	DIFFICULTIES IN CERTIFICATION ON MICROWAVE DISEASE (IN POL)	0324
MICROWAVE REFLECTION	DIFFRACTION AND TRANSMISSION BY MAN	0824
MICROWAVE REFLECTION AND	DIFFRACTION BY MAN	0884
X-RAY	DIFFRACTION FROM CHLOROPLAST MEMBRANES ORIENTED IN A MAGNETIC FIEL	1618
TS ON THE ACTIVATION FREE ENERGY OF	DIFFUSION THROUGH MEMBRANES AS INFLUENCED BY ELECTRIC FIELDS	0860
	DIGESTIVE SYSTEM IN WORKERS EXPOSED TO THE EFFECTS OF UHF EM FIELD	1515
OW LEVEL MICROWAVE RADIATION ON THE	DIGESTIVE TRANSIT OF THE RAT	0370
CANINE KIDNEYS AFTER TREATMENT WITH	DIMETHYL- SULFOXIDE, FREEZING AT -80 DEGREES CELSIUS, AND THAWING	2698
STIMULATION BY IMPLANTED MICROWAVE	DIODE	1494
TECHNOLOGY ASSESSMENT AND MICROWAVE	DIODES	2961
MENT OF LOW MOLECULAR WEIGHT RNA IN	DIOXANE AFTER APPLICATION OF STATIC ELECTRIC FIELDS	0641
N EFFECT OF SHORT ELECTRIC WAVES ON	DIPHTHERIA TOXIN INDEPENDENT OF THE HEAT FACTOR	0531
FREQUENCY ENERGY ON CORYNEBACTERIUM	DIPHTHERIAE AND CLOSTRIDIUM WELCHII TOXINS	1294
A NEW OCCUPATIONAL DISEASE?-OF	DIPLOMATS	1651
XPOSED TO MICROWAVES DUE TO LOOP OR	DIPOLE ANTENN	0052
E PATTERNS OF A HORIZONTAL ELECTRIC	DIPOLE OVER LAYERED DIELECTRIC MEDIA	0748
THE	DIPOLE /SLOT RADIATION PATTERN AND ITS USE IN UNDERSTANDING MICROWA	0773
AN IN A GAS TACHYON MAGNETOELECTRIC	DIPOLES - A NEW HYPOTHESIS. PT III: DEVELOPMENT OF THE PHYSICS OF	0123
ROLE OF SURFACE	DIPOLES ON AXON MEMBRANE	0659
IN A GAS OF TACHYON MAGNETOELECTRIC	DIPOLES-	0122
MAN IN A GAS TACHYON MAGNETOLECTRIC	DIPOLES- A NEW HYPOTHESIS. PT I: A SUMMARY OF SOME REAL BUT UNEXPL	0141
MICROWAVE AND MAN: THE	DIRECT AND INDIRECT HAZARDS, AND THE PRECAUTIONS	2140
THE PERFORMANCE OF A NEW	DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY	0047
RFORMANCE OF A CIRCULARLY POLARIZED	DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY	2456
MICROWAVE DIATHERMY FREQUENCY FOR A	DIRECT CONTACT APPLICATOR	3284
TO A RECTANGULAR APERTURE SOURCE IN	DIRECT CONTACT WITH BILAYERED BIOLOGICAL TISSUE	2947
AL PSEUDARTHROSIS OF THE TIBIA WITH	DIRECT CURRENT	2778

TREATMENT OF NONUNION WITH CONSTANT	DIRECT CURRENT	2783
S OF A SLOW PULSATING, ASYMMETRICAL	DIRECT CURRENT	2784
ICAL EXPERIENCES WITH LOW INTENSITY	DIRECT CURRENT STIMULATION OF BONE GROWTH	2779
	DIRECT CURRENT STIMULATION OF THE GROWING DEER ANTLER	1834
OF THE MEDIAL MALLEOLUS BY MEANS OF	DIRECT CURRENT: A CASE REPT	1813
L TUMOR GROWTH IN HAMSTERS BY SMALL	DIRECT CURRENTS	2619
MAGNETOCARDIOGRAPHY OF	DIRECT CURRENTS: S-T SEGMENT AND BASELINE SHIFTS DURING EXPERIMENT	2104
THE EFFECTS OF MINUTE	DIRECT ELECTRICAL CURRENTS ON CULTURED CHICK EMBRYO TRIGEMINAL GAN	3267
SE SARCOMA 180 CELLS RESULTING FROM	DIRECT HEALTH AND CHRONIC MICROWAVE IRRADIATION	3468
S IN THE SPINAL CORD OF CATS DURING	DIRECT IRRADIATION WITH MICROWAVES	1639
A	DIRECT MECHANISM FOR THE INFLUENCE OF MICROWAVE RADIATION ON NEURO	2559
EVALUATION OF A THERAPEUTIC	DIRECT-CONTACT 915-MHZ MICROWAVE APPLICATOR FOR EFFECTIVE DEEP-TIS	0046
DEVELOPMENT OF A 915-MHZ	DIRECT-CONTACT APPLICATOR FOR THERAPEUTIC HEATING OF TISSUES	0045
OMPARATIVE HEATING-PATTERN STUDY OF	DIRECT-CONTACT APPLICATORS IN MICROWAVE DIATHERMY	2742
DUAL-BEAM TEM APPLICATOR FOR	DIRECT-CONTACT HEATING OF DIELECTRICALLY ENCAPSULATED MALIGNANT MO	2739
MAGNETIC	DIRECTION FINDING: EVIDENCE FOR ITS USE IN MIGRATORY INDIGO BUNTIN	2106
GENERAL	DIRECTION OF 750-1500 KV A.C. POWER-TRANSMISSION DEVELOPMENT AND U	3588
PIGEONS ALTERED BY A CHANGE IN THE	DIRECTION OF AN APPLIED MAGNETIC FIELD	1021
G METHODS, THE DESIGN PRACTICES AND	DIRECTION OF FURTHER RESEARCH	3587
EFFECT OF THE MAGNETIC FIELD ON THE	DIRECTIONAL BEHAVIOR OF GOLDFISH	1227
ERENCE FOR THE STUDY OF GEOMAGNETIC	DIRECTIONAL EFFECTS IN ANIMALS AND MAN	1023
ECTS OF MICROWAVES: FUTURE RESEARCH	DIRECTIONS	0631
CTS OF MICROWAVES: FUTURE RESEARCH	DIRECTIONS	3548
FUTURE RESEARCH	DIRECTIONS AND NEEDS IN BIOLOGIC EM RADIATION RESEARCH	1105
MAIN	DIRECTIONS AND RESULTS OF RESEARCH CONDUCTED IN THE USSR ON THE BI	1273
WORKSHOP ON FUTURE	DIRECTIONS OF ELECTROMAGNETICS OF CONTINUOUS MEDIA	3058
N LIVING NATURE: FACTS, HYPOTHESES,	DIRECTIONS OF RESEARCH	0929
STATEMENT BY C. T. WHITEHEAD,	DIRECTOR , OFFICE OF TELECOMMUNICATIONS POLICY	3000
OWAVE HAZARDS ASSOCIATED WITH SMALL	DISCHARGE CAVITIES	1711
ELECTRICAL	DISCHARGE INFLUENCE UPON A MAN	1936
THE EFFECT OF A	DISCHARGE OF A HIGH-VOLTAGE CONDENSER ON THE OPTIC PROPERTIES OF T	1398
RIC FIELD AND CRUSTACEAN GANGLIONIC	DISCHARGES	1942
ATMOSPHERIC SPECTRUM OF ELECTRICAL	DISCHARGES AND THE BIOLOGICAL ACTIVITY OF LIVING ORGANISMS (IN RUS	2724
A STUDY OF CORONA	DISCHARGES AT WATER DROPS OVER THE FREEZING TEMPERATURE RANGE	3135
FECTING EFFECT OF PULSED ELECTRICAL	DISCHARGES ON BINARY BACTERIAL SUSPENSION (IN RUSSIAN)	2725
NETIC RADIATION FROM GAP-TYPE SPARK	DISCHARGES ON ELECTRIC POWER DISTRIBUTION LINES	3181
Z RADIATION ON NEUROTRANSMITTERS IN	DISCRETE AREAS OF THE RAT BRAIN	2169
	DISCRIMINATIVE CONTROL OF APPETITIVE BEHAVIOR BY PULSED MICROWAVE	2164
MODIFICATION OF INTERNAL	DISCRIMINATIVE STIMULUS CONTROL OF BEHAVIOR BY LOW LEVELS OF PULSE	2161
POLAR FREQUENCY	DISCRIMINATORS	1722
ICROWAVES IN THE MANAGEMENT OF LUNG	DISEASE	0784
FIELD ON THE COURSE OF HYPERTENSIVE	DISEASE	1507
OD SEDIMENTATION RATE IN HEALTH AND	DISEASE	2014
MPLICATIONS FOR RESEARCH INTO HUMAN	DISEASE	2889
LTIES IN CERTIFICATION ON MICROWAVE	DISEASE (IN POL)	0324
URSE OF AN INFECTION WITH NEWCASTLE	DISEASE VIRUS IN CHICK EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN)	0817
TENTIATING FACTOR IN CARDIOVASCULAR	DISEASE : A HYPOTHESIS OF MICROWAVES AS AN ETIOLOGY FOR SUDDEN DEAT	1636
E MANAGEMENT OF PELVIC INFLAMMATORY	DISEASE : A PRELIMINARY REPT	1809
A NEW OCCUPATIONAL	DISEASE ?--OF DIPLOMATS	1651
CLINICAL FINDINGS IN HEAD AND NECK	DISEASES	0271
ATMENT OF PATIENTS WITH SPINAL CORD	DISEASES AND WITH SPASTIC AND MIXED PARESES	0215
SIS AND AGGRAVATION OF OCCUPATIONAL	DISEASES CAUSED BY RAYS OF DIFFERENT WAVELENGTHS (IN GERMAN)	1626
CARDIOVASCULAR	DISEASES IN PERSONS WITH A HISTORY OF EXPOSURE TO THE EFFECT OF AN	0591
TREATMENT OF	DISEASES OF LIMB STUMPS WITH MAGNETIC FIELD (IN RUSSIAN)	1631
ENTS AND ULTRASOUND IN OBLITERATIVE	DISEASES OF THE LOWER LIMBS (IN RUSSIAN)	2707
YSICAL TREATMENT METHODS IN CHRONIC	DISEASES OF VEINS	0259
	DISINFECTING EFFECT OF PULSED ELECTRICAL DISCHARGES ON BINARY BACT	2725
	DISINFESTING PROCESS HERTZ ONLY INSECTS	1317
PY AND EEG CORRELATES IN DEPRESSIVE	DISORDERS	1870
FOR THE TREATMENT OF NEUROMUSCULAR	DISORDERS	3414
RD STIMULATION FOR SPASTIC MOVEMENT	DISORDERS	3428
METABOLIC	DISORDERS AND THE LIVER FUNCTION UNDER THE EFFECT OF A LOW-FREQUEN	1514
AUTONOMIC AND CARDIOVASCULAR	DISORDERS DURING CHRONIC EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROM	2553
ATION OF THE OCCURRENCE OF NEUROTIC	DISORDERS IN SEA ECONOMY WORKERS EXPOSED TO THE ACTION OF EM WAVES	1164
OR IDENTIFICATION, AGGREGATION, AND	DISPERSAL	0502

L EFFECTS OF AC FIELDS ON PARTICLES	DISPERSED IN A LIQUID: BIOLOGICAL IMPLICATIONS (A THESIS--ONR TECH	3054
	DISPERSION AND ABSORPTION IN DIELECTRICS.I. ALTERNATING CURRENT CH	3208
TABLES OF DIELECTRIC	DISPERSION DATA FOR PURE LIQUIDS AND DILUTE SOLUTIONS (EXTRACTS TH	3198
SELECTIVE LONG RANGE	DISPERSION FORCES BETWEEN LARGE SYSTEMS	3254
DIELECTRIC	DISPERSION IN BOVINE SERUM ALBUMIN	3205
LOW-FREQUENCY DIELECTRIC	DISPERSION IN SUSPENSIONS OF ION-EXCHANGE RESINS	1852
GANISMS V. LOW-FREQUENCY DIELECTRIC	DISPERSION OF BACTERIA	1917
LOW FREQUENCY DIELECTRIC	DISPERSION OF BIOLOGICAL TISSUES	0380
DIELECTRIC	DISPERSION OF CRYSTALLINE POWDERS OF AMINO ACIDS, PEPTIDES & PROTE	3203
DIELECTRIC	DISPERSION OF DL-ALPHA-VALINE IN AQUEOUS SOLUTION	2798
	DISRUPTION OF BEHAVIOR IN MAMMALS OF THREE DIFFERENT SIZES EXPOSED	0225
HYPERACTIVITY AND	DISRUPTION OF OPERANT BEHAVIOR IN RATS AFTER MULTIPLE EXPOSURES TO	2763
THE	DISRUPTION OF THE ENDOCRINE SYSTEM UNDER THE CHRONIC EFFECT OF A S	1938
COMPLEX DIELECTRIC CONSTANT AND	DISSIPATION FACTOR OF FOLIAGE	3335
THE	DISSIPATION OF MICROWAVES AS HEAT IN THE EYE	1531
ELECTROMAGNETIC FIELDS IN A	DISSIPATIVE HALF-SPACE: A NUMERICAL APPROACH	3285
HIGH VOLTAGE LINES: HAZARD AT A	DISTANCE	0084
S, CANADA AND MEXICO WITHIN VARIOUS	DISTANCES FROM 1361 TELEVISION MARKET CENTERS	3498
THE POPULATION WITHIN VARIOUS	DISTANCES OF SELECTED RADIO AND TELEVISION STATIONS	3497
DEPENDENCE OF TOTAL AND	DISTRIBUTED ABSORBED MICROWAVE ENERGY UPON SIZE AND ORIENTATION OF	2194
IN CYLINDERS CONTAINING A UNIFORMLY	DISTRIBUTED SOURCE	3287
S AND ON WATER PERMEABILITY AND ITS	DISTRIBUTION	0874
BIOPHYSICS--ENERGY ABSORPTION AND	DISTRIBUTION	1598
NNAS AS AFFECTED BY ANTENNA CURRENT	DISTRIBUTION	3491
ELECTRIC-FIELD	DISTRIBUTION ALONG FINITE LENGTH LOSSY DIELECTRIC SLABS IN WAVEGUI	1645
	DISTRIBUTION AND FREQUENCY DEPENDENCE OF INCIDENTIAL MAN-MADE HF/V	3179
AND DEVELOPMENT IN TRANSMISSION AND	DISTRIBUTION FOR THE ELECTRIC UTILITY INDUSTRY	3166
CALCULATION OF THE	DISTRIBUTION FUNCTION FOR THE DIAMETERS OF THIN-WALLED SPHERES ON	1475
CTROMAGNETIC ENERGY AND TEMPERATURE	DISTRIBUTION IN A MICROWAVE IRRADIATED BREAST CANCINOMA: PRELIMINA	0295
GNETIC ENHANCEMENT OF ELECTRON DOSE	DISTRIBUTION IN A PHANTOM	2537
TEMPERATURE	DISTRIBUTION IN A SPHERE WITH LOCAL COOLING	3286
HEAT POTENTIAL	DISTRIBUTION IN AN INHOMOGENEOUS SPHERICAL MODEL OF A CRANIAL STRU	0052
TEMPERATURE	DISTRIBUTION IN LOCALIZED CURRENT FIELD HYPERTHERMIA- A THEORETICA	0359
UNIFORM POLYMER	DISTRIBUTION IN PAPERS SATURATED WITH POLYMER SOLUTIONS VIA MICROW	0723
CONTRAST OF DOSE	DISTRIBUTION IN PHANTOM HEADS DUE TO APERTURE AND PLANE WAVE SOURC	1097
ELECTRICAL FIELD	DISTRIBUTION IN THE HUMAN BODY	0869
ICROWAVE RADIATION - III: DOSE RATE	DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF ELECTROM	3601
MICROWAVE RADIATION--III: DOSE RATE	DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF EM PLANE	1028
DOSE RATE	DISTRIBUTION IN TRIPLE-LAYERED DIELECTRIC CYLINDER WITH IRREGULAR	1122
SPARK DISCHARGES ON ELECTRIC POWER	DISTRIBUTION LINES	3181
MICROWAVE ENERGY	DISTRIBUTION MEASUREMENTS IN PROXIMITY TO MAN AND THEIR PRACTICAL	1098
	DISTRIBUTION OF APPLIED ELECTRICAL CURRENT IN THE SPINAL CORD AND	1886
	DISTRIBUTION OF EM ENERGY DEPOSITION IN MODELS OF MAN WITH FREQUEN	2188
THE	DISTRIBUTION OF HEATING POTENTIAL INSIDE LOSSY SPHERES	1209
METABOLISM AND	DISTRIBUTION OF IRON, COPPER, MOLYBDENUM, MANGANESE, AND NICKEL IN	2806
HE INVESTIGATION OF RADIATION FIELD	DISTRIBUTION OF RADAR STATIONS AT CIVIL AVIATION AIRPORTS	1438
NCTION AS A STOCHASTIC MODEL OF THE	DISTRIBUTION OF STRONTIUM-90 AND OTHER FISSION PRODUCTS IN HUMANS	3178
COMPUTER ACCESS TO GEOGRAPHIC	DISTRIBUTION OF THE POPULATION	3521
THE	DISTRIBUTION OF THE POPULATION OF THE CONTINENTAL UNITED STATES, C	3498
	DISTRIBUTION OF ULTRASHORT WAVE FIELDS IN THE VICINITIES OF URBAN	1440
TEMPERATURE	DISTRIBUTION PRODUCED IN MODELS BY THREE MICROWAVE APPLICATORS AT	0911
THE RADIOFREQUENCY FIELD	DISTRIBUTION SURROUNDING COILS FOR INTRAUTERINE DIAGNOSTIC PROCEDU	1959
TEMPERATURE	DISTRIBUTION WITH MICROWAVE HEATING FOR A TWO-LAYER MODEL OF A BIO	0626
SION RIGHTS- OF-WAY ON SMALL MAMMAL	DISTRIBUTION , DIVERSITY, AND COMMONITY STRUCTURE	0184
LUATION OF INTERAL MICROWAVE ENERGY	DISTRIBUTION	3282
TEMPERATURE	DISTRIBUTIONS AS PRODUCED BY MICROWAVES IN SPECIMENS UNDER THERAPE	3545
TEMPERATURE	DISTRIBUTIONS IN NORMAL AND NEOPLASTIC TISSUES DURING HYPERTHERMIA	0188
ON OF CALCULATED ABSORBED DOSE RATE	DISTRIBUTIONS IN PHANTOM HEADS EXPOSED TO 2450 MHZ AND 915 MHZ PLA	2671
ION OF ABSORBED MICROWAVE DOSE RATE	DISTRIBUTIONS IN PHANTOM HEADS IRRADIATED BY AN APERTURE SOURCE	2590
- II: CALCULATIONS OF ABSORBED DOSE	DISTRIBUTIONS IN TWO SIZES OF MUSCLE-EQUIVALENT SPHERES	3600
--II: CALCULATIONS OF ABSORBED DOSE	DISTRIBUTIONS IN TWO SUZES OF MUSCLE-EQUIVALENT SPHERES	1027
TEMPERATURE	DISTRIBUTIONS INDUCED BY 2450 MHZ MICROWAVE RADIATION IN A TRILAYE	1816
MPARATIVE EVALUATION OF TEMPERATURE	DISTRIBUTIONS PRODUCED BY MICROWAVES AT 2,456 AND 900 MEGACYCLES I	3328
MICROSCOPIC VISUALIZATION OF DOSE	DISTRIBUTIONS	3283
GEOMAGNETIC	DISTURBANCE AND THE ORIENTATION OF NOCTURNALLY MIGRATING BIRDS	1979

	DISTURBANCE OF GOAL-SEEKING BEHAVIOR UNDER ACTION OF EM FIELD	2313
TO MICROWAVES, PART II: FUNCTIONAL	DISTURBANCES	0797
NOSIS AND TREATMENT OF NEUROPSYCHIC	DISTURBANCES	2264
FOR CORRELATION BETWEEN GEOMAGNETIC	DISTURBANCES AND MORTALITY	1229
POWER SYSTEM	DISTURBANCES DURING A K-8 GEOMAGNETIC STORM: AUGUST 4, 1972	3107
	DISTURBANCES IN THE FUNCTION OF CARDIAC PACEMAKER CAUSED BY SHORT	2087
MASK THE EFFECT OF NORMAL MAGNETIC	DISTURBANCES ON PIGEON ORENTATION	0169
F-WAY ON SMALL MAMMAL DISTRIBUTION,	DIVERSITY , AND COMMONITY STRUCTURE	0184
MAGNETIC FIELDS ON BONE MARROW CELL	DIVISION	0437
DIELECTRIC DISPERSION OF	DL-ALPHA-VALINE IN AQUEOUS SOLUTION	2798
BIOLOGICAL EFFECTS OF CM-WAVES AND	DM-WAVES	3476
EFFECT OF	DMSO ON THE DIELECTRIC PROPERTIES OF CANINE KIDNEY TISSUE	2847
NDUCED PARTIAL STRAND SEPARATION OF	DNA	2225
OF NATIVE AND MICROWAVE-IRRADIATED	DNA	2352
THE TRANSFORMING ABILITY OF E. COLI	DNA	2467
THERMAL DENATURATION OF	DNA EXPOSED TO 2450 MHZ CW MICROWAVE RADIATION	1972
LUATION OF DOMINANT LETHAL TEST AND	DNA STUDIES IN MEASURING MUTAGENICITY CAUSED BY NON-IONIZING RADIA	2177
SUE FROM MOUSE SKIN PRESERVING RNA,	DNA , PROTEIN, AND PHORBOL ESTER-INDUCED ORNITHINE DECARBOXYLASE LE	2825
UDIES OF ISOLATED NORMAL AND TUMOUR	DNA	3263
CTS OF MICROWAVE IRRADIATION IN THE	DOG	1575
OENDOCRINE RESPONSES IN THE RAT AND	DOG EXPOSED TO 2450 MHZ (CW) MICROWAVES	2676
E AND CARDIODYNAMIC RESPONSE OF THE	DOG SUBJECTED TO CRANIAL EXPOSURE TO 2450 MHZ MICROWAVES	2445
EARLY LESIONS IN	DOG TESTES DUE TO MICROWAVES	2848
LOCALIZED MICROWAVE EXPOSURE ON THE	DOG THYROID	1606
STIMULATION OF	DOG THYROID BY LOCAL APPLICATION OF HIGH INTENSITY MICROWAVES	2824
MICROWAVE HEATING EFFECT ON THE	DOG THYROID GLAND	1429
RESPONSE OF THE	DOG TO 24,000 AND 1285 MHZ MICROWAVE EXPOSURE	0617
OF EM PULSE EFFECTS ON MONKEYS AND	DOGS	0498
THE HEALING OF EXTRACTION WOUNDS IN	DOGS	0993
E TREATMENT OF EXTRACTION WOUNDS IN	DOGS BY ELECTROMAGNETIC STIMULATION	0209
TIC AND CARDIODYNAMIC REGULATION IN	DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES	0655
THE ELECTROCARDIOGRAMS OF RATS AND	DOGS EXPOSED TO DC MAGNETIC FIELDS	0232
RONIC BLOOD PRESSURE MEASUREMENT IN	DOGS EXPOSED TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS	0865
CONDITIONED REFLEX ACTIVITY IN	DOGS UNDER LOCAL INFLUENCE OF A V.H.F. FIELD UPON CERTAIN ZONES OF	2024
EALING OF EXPERIMENTAL NONUNIONS IN	DOGS	0131
E HEATING IN TISSUES OF HYPOTHERMIC	DOGS	0434
EXTENSIONS OF TIME	DOMAIN METROLOGY ABOVE 10 GHZ TO MATERIALS MEASUREMENTS	0037
NCY ELECTRIC AND MAGNETIC FIELDS IN	DOMESTIC BIRDS	3134
ROWTH, DEVELOPMENT, AND BEHAVIOR IN	DOMESTIC BIRDS, PHASE I: CONTINUOUS WAVE	1786
EXPOSURE OF	DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS	2180
EMISTRY OF THE CHICK EMBRYO, GALLUS	DOMESTICUS	0099
RHYTHM OF THE HOUSE SPARROW, PASSER	DOMESTICUS	2163
EVALUATION OF	DOMINANT LETHAL TEST AND DNA STUDIES IN MEASURING MUTAGENICITY CAU	2177
RF HAZARDS: WHAT WE	DON 'T KNOW CAN HURT ELEMENTS, METALLOPROTEINES AND SOME INDICATORS	2348
SPERM	DON 'T LIKE IT HOT	1198
RTEM CHANGES OF CYCLIC NUCLEOTIDES,	DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY	1326
ASSAY OF NOREPINEPHRINE AND	DOPAMINE IN THE RAT BRAIN AFTER MICROWAVE IRRADIATION	3416
ARTERIAL WALL MOVEMENT BY MICROWAVE	DOPPLER RADAR	0283
RIAL AND SCIENTIFIC APPLICATIONS OF	DOPPLER RADAR	1312
IO-FREQUENCY TREATMENT FOR BREAKING	DORMANCY AND CONTROLLING VIRUS INFECTIONS OF PLANTS	3238
REVERSAL OF COLD-INDUCED	DORMANCY OF UREDOSPORES BY MICROWAVE AND INFRARED IRRADIATION	3473
EATMENT OF SPASMODIC TORTICOLLIS BY	DORSAL COLUMN STIMULATION	0001
	DORSAL COLUMN STIMULATION	1385
EATMENT OF SPASMODIC TORTICOLLIS BY	DORSAL COLUMN STIMULATION	3406
CROSSING-OVER IN MALES OF	DORSOPHILA INDUCED BY RADIO FREQUENCY TREATMENT	0538
RELATED TO THE PROBLEM OF TOLERANCE	DOSAGE	0558
CALLY EFFECTIVE MICROWAVE DIATHERMY	DOSAGE	3368
SOME EFFECTS OF LOW-LEVEL	DOSAGES OF MICROWAVES ON ISOLATED NERVE ACTIVITY	2413
MICROWAVE-INDUCED HYPERTHERMIA	DOSE DEFINITION	0043
HYPERTHERMIA	DOSE DEFINITION	2639
MAGNETIC ENHANCEMENT OF ELECTRON	DOSE DISTRIBUTION IN A PHANTOM	2537
CONTRAST OF	DOSE DISTRIBUTION IN PHANTOM HEADS DUE TO APERTURE AND PLANE WAVE	1097
TION - II: CALCULATIONS OF ABSORBED	DOSE DISTRIBUTIONS IN TWO SIZES OF MUSCLE-EQUIVALENT SPHERES	3600
ATION--II: CALCULATIONS OF ABSORBED	DOSE DISTRIBUTIONS IN TWO SUZES OF MUSCLE-EQUIVALENT SPHERES	1027
MICROSCOPIC VISUALIZATION OF	DOSE DISTRIBUTIONS	3283

D DOSES AND GENETICALLY SIGNIFICANT	DOSE FROM DIAGNOSTIC RADIOL.: U. S., 1964 AND 1970	0986
WLEDGE FOR ELECTROMAGNETIC ABSORBED	DOSE IN MAN AND ANIMALS	0403
HE TIME OF DEATH AND TOTAL ABSORBED	DOSE IN THE MICROWAVE ENERGY	2882
HE TIME OF DEATH AND TOTAL ABSORBED	DOSE IN THE MOUSE	0849
EFFECT OF SMALL	DOSE OF ELECTROMAGNETIC WAVES ON SOME ORGANS AND SYSTEMS OF MAN (I	0319
LOGICAL SIMULANTS IN ESTIMATING THE	DOSE OF MICROWAVE ENERGY	0499
POSTNATAL EFFECTS OF PROTRACTED LOW	DOSE PRENATAL 915 MHZ MICROWAVE RADIATION	2864
	DOSE RATE AND OXYGEN CONSUMPTION RATE IN MICE CONFINED IN A SMALL	2821
OR RF AND MICROWAVE RADIATION--III:	DOSE RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA O	1028
R RF AND MICROWAVE RADIATION - III:	DOSE RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA O	3601
	DOSE RATE DISTRIBUTION IN TRIPLE-LAYERED DIELECTRIC CYLINDER WITH	1122
COMPARISON OF CALCULATED ABSORBED	DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS EXPOSED TO 2450 MHZ AND 9	2671
DETERMINATION OF ABSORBED MICROWAVE	DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS IRRADIATED BY AN APERTURE	2590
CHANGE IN AVERAGE ABSORBED	DOSE RATE OF A GROUP OF MICE UNDER REPEATED EXPOSURE TO 915 MHZ MI	2672
VIRONMENTAL TEMPERATURE AND AVERAGE	DOSE RATE OF MICROWAVE RADIATION ON THE OXYGEN-CONSUMPTION RATE OF	0369
THE RELATION OF	DOSE RATE OF MICROWAVE RADIATION TO THE TIME OF DEATH AND TOTAL AB	0849
	DOSE RATE RELATED EFFECTS ON THE OXYGEN CONSUMPTION OF MICE DURING	2910
MPTION RATE OF MICE UNDER DIFFERING	DOSE RATES OF MICROWAVE RADIATION	2745
MPTION RATE OF MICE UNDER DIFFERING	DOSE RATES OF MICROWAVE RADIATION	2900
VIEW OF DETERMINATIONS OF RADIATION	DOSE TO THE ACTIVE BONE MARROW FROM DIAGNOSTIC X-RAY EXAMINATIONS	3083
HAD YOUR RADIATION	DOSE TODAY?	1877
VATIVE NOTEBOOK: HAD YOUR RADIATION	DOSE TODAY?	2909
SINGLE	DOSE X-IRRADIATION AND CONCOMITANT HYPERTHERMIA ON A RADIORESISTAN	2335
FIELD MEASUREMENTS, ABSORBED	DOSE , AND BIOLOGIC DOSIMETRY OF MICROWAVES	1101
2.5 MW/CM SQUARED: DELINEATING THE	DOSE-RESPONSE RELATIONSHIP	2746
918 MHZ MICROWAVES: DELINEATING THE	DOSE-RESPONSE RELATIONSHIP	2911
MICROWAVE	DOSE-RESPONSE RELATIONSHIPS ON TWO BEHAVIORAL TASKS	1092
GONAD	DOSES AND GENETICALLY SIGNIFICANT DOSE FROM DIAGNOSTIC RADIOL.: U	0986
ESTIMATES OF IONIZING RADIATION	DOSES IN THE UNITED STATES 1960-2000	2960
EFFECT OF DIFFERENT	DOSES OF CENTIMETER ELECTROMAGNETIC OSCILLATIONS ON BIOCHEMILUMINE	0071
EFFECT OF SMALL	DOSES OF UHF EM WAVES ON SOME INDICES OF RENAL FUNCTION AND WATER-	1629
FIELD TRIAL OF RICHARDSON MICROWAVE	DOSIMETER	1568
HE QUEST FOR A BIOLOGICAL MICROWAVE	DOSIMETER	2738
HE QUEST FOR A BIOLOGICAL MICROWAVE	DOSIMETER	2897
OLOGICAL EFFECTS UNDER REPRODUCIBLE	DOSIMETRIC AND ENVIRONMENTAL CONDITIONS	2389
OF SELECTED BIOLOGICAL EFFECTS AND	DOSIMETRIC DATA USEFUL FOR DEVELOPMENT OF RADIOFREQUENCY SAFETY ST	0439
MINARY STUDIES: FAR-FIELD MICROWAVE	DOSIMETRIC MEASUREMENTS OF A FULL-SCALE MODEL OF MAN	0432
FOR RF AND MICROWAVE RADIATION--I:	DOSIMETRIC QUANTITIES FOR RF AND MICROWAVE EM FIELDS	1026
PROBLEMS OF DOSIMETRY AND	DOSIMETRIC TECHNIQUES	2428
MICROWAVE	DOSIMETRY	0654
RF CAVITY IRRADIATION	DOSIMETRY	0997
H DIELECTRIC MATERIALS TO MICROWAVE	DOSIMETRY	1747
E IRRRADIATION APPARATUS DESIGN AND	DOSIMETRY	2213
FIELD EQUATIONS IN	DOSIMETRY	3048
PROBLEMS OF	DOSIMETRY AND DOSIMETRIC TECHNIQUES	2428
INTERNAL	DOSIMETRY AND EXTERNAL MICROWAVE FIELD MEASUREMENTS USING MINIATUR	2668
METHODS OF	DOSIMETRY AND MEASURING IN MICROWAVE FIELDS (IN RUMANIAN)	2722
THERMAL	DOSIMETRY AND TEMPERATURE MEASUREMENTS	0139
N OF LITHIUM FLUORIDE FOR MICROWAVE	DOSIMETRY APPLICATIONS	2944
DEVELOPMENT OF	DOSIMETRY FOR RF AND MICROWAVE RADIATION - II: CALCULATIONS OF ABS	3600
DEVELOPMENT OF	DOSIMETRY FOR RF AND MICROWAVE RADIATION - III: DOSE RATE DISTRIBU	3601
DEVELOPMENT OF	DOSIMETRY FOR RF AND MICROWAVE RADIATION--I: DOSIMETRIC QUANTITIES	1026
DEVELOPMENT OF	DOSIMETRY FOR RF AND MICROWAVE RADIATION--II: CALCULATIONS OF ABSO	1027
DEVELOPMENT OF	DOSIMETRY FOR RF AND MICROWAVE RADIATION--III: DOSE RATE DISTRIBUT	1028
RADIOFREQUENCY RADIATION	DOSIMETRY HANDBOOK	0878
SUMMARY: RADIO-FREQUENCY RADIATION	DOSIMETRY HANDBOOK	2735
RADIOFREQUENCY RADIATION	DOSIMETRY HANDBOOK	2927
BIOLOGICAL	DOSIMETRY OF 2450 MHZ MICROWAVE IRRADIATION WITH MICE	1745
WHOLE-BODY	DOSIMETRY OF MICROWAVE RADIATION IN SMALL ANIMALS: THE EFFECT OF B	2736
EMENTS, ABSORBED DOSE, AND BIOLOGIC	DOSIMETRY OF MICROWAVES	1101
LATEST DEVELOPMENTS IN UHF-THERAPY	DOSIMETRY PROCEDURES	0745
EMPERATURE PROBES USED IN MICROWAVE	DOSIMETRY STUDIES	0265
PMENT OF SIMULATED BIOMATERIALS FOR	DOSIMETRY STUDIES OF HAZARDOUS MICROWAVE RADIATION	0858
A MICROWAVE	DOSIMETRY SYSTEM FOR MEASURED SAMPLED INTEGRAL-DOSE RATE	0805
MICROWAVE	DOSIMETRY USING A LIQUID CRYSTAL TECHNIQUE	2963

MICROWAVE	DOSIMETRY WORKSHOP	3538
MICROWAVE	DOSIMETRY WORKSHOP JOINT U. S. ARMY/GEORGIA INSTITUTE OF TECHNOLOG	3218
A INSTITUTE OF TECHNOLOGY MICROWAVE	DOSIMETRY WORKSHOP, JUNE 1972	3057
CTURAL MODIFICATIONS, CALORIMETRIC,	DOSIMETRY , AND FUNCTIONAL EVALUATION	1713
THERMAL	DOSIMETRY : SOME BIOPHYSICAL CONSIDERATIONS	0321
CTION OF WEAK EMR: EXPERIMENTS WITH	DOWSERS	0155
ANENCEPHALUS,	DRINKING WATER, GEOMAGNITISM, AND COSMIC RADIATION	0005
POSSIBLE CARDIAC	DRIVING BY AN EXTERNAL ROTATING MAGNETIC FIELD	1013
STUDY OF CORONA DISCHARGES AT WATER	DROPS OVER THE FREEZING TEMPERATURE RANGE	3135
NONTHERMAL FM RADIO WAVES TO MUTATE	DROSOPHILA	2587
NORMAL DEVELOPMENT OF THE FRUITFLY	DROSOPHILA IN VLF MAGNETIC FIELDS (IN GERMAN)	2071
TAGENIC ACTION OF MICROWAVE RAD. IN	DROSOPHILA MELANOGASTER	0368
O WAVES TO INDUCE GENETIC DAMAGE IN	DROSOPHILA MELANOGASTER	1168
OF THE EFFECT OF ELF EM FIELDS UPON	DROSOPHILA MELANOGASTER	1770
AL RADIOWAVES AND GENETIC DAMAGE IN	DROSOPHILA MELANOGASTER	3621
DIES ON MAGNETIC FIELD EXPOSURES OF	DROSOPHILA MELANOGASTER AND PELVETIA FASTIGIATA	2563
ING ON THE REPRODUCTIVE CAPACITY OF	DROSOPHILA MELANOGASTER	2925
MICROWAVES ON BACTERIA, YEAST, AND	DROSPHILA	3401
	DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGI	2738
	DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGI	2897
BINED EFFECT OF MICROWAVES AND SOME	DRUGS ON BIOELECTRIC ACTIVITY OF THE RABBIT CENTRAL NERVOUS SYSTEM	1946
INFLUENCE OF INJECTED PSYCHOACTIVE	DRUGS ON CYCLIC AMP LEVELS IN MOUSE BRAIN AND LUNG FOLLOWING MICRO	2769
AN INDUSTRIAL PROTOTYPE MACHINE FOR	DRYING AND STERILIZING PHARMACEUTICAL AMPOULES BY MICROWAVES AT 2	1228
MICROWAVE	DRYING OF MICROORGANISMS: I. INFLUENCE OF THE MICROWAVE ENERGY AND	1384
ACCELERATED	DRYING OF PLASTER CASTS WITH A MICROWAVE OVEN	2849
AND OF THE SAMPLE THICKNESS ON THE	DRYING OF YEAST	1384
	DUAL-BEAM TEM APPLICATOR FOR DIRECT-CONTACT HEATING OF DIELECTRICA	2739
ASURING THE RADAR CROSS SECTIONS OF	DUCKS AND CHICKENS	3508
SIS AND DESIGN CONSIDERATIONS FOR A	DUEL-BEAM MICROWAVE APPLICATOR FOR HYPERTHERMIA RESEARCH	0156
CURRENT ON THE REGENERATION AXIS OF	DUGESIA	2648
ES WITH PARTICULAR CONSIDERATION OF	DULLNESS IN THE EYELENSES	3474
S (WITH PARTICULAR CONSIDERATION OF	DULLNESS IN THE EYELENSES)	2578
BY ELECTRICAL PACING OF THE CANINE	DUODENAL PACESETTER POTENTIAL	1840
	DUODENAL ULCER IN PERSONS OCCUPATIONALLY EXPOSED TO MICROWAVE RADI	1854
	DUODENAL-GASTRIC REFLUX AND SLOWED GASTRIC EMPTYING BY ELECTRICAL	1840
ON OF EPITHELIAL CELLS IN THE MOUSE	DUODENUM	0065
FIELDS HAVE BIOLOGICAL EFFECT? (IN	DUTCH)	2582
BY SINGLET OXYGEN: I. COMPARISON OF	DYE SENSITIZED PHOTOOXIDATION AND MICROWAVE GENERATED SINGLET OXID	2046
ELECTRICAL STIMULATION FOR VOIDING	DYSFUNCTION AFTER SPINAL CORD INJURY	0009
BLINDNESS, DEAFNESS AND VESTIBULAR	DYSFUNCTION IN A MICROWAVE WORKER	0917
2.6-4.0 GHZ MICROWAVE RADIATION ON	E-COLI B	2797
CHANGES IN RADIOFREQUENCY	E-FIELD STRENGTHS WITHIN A HOSPITAL DURING A 16-MONTH PERIOD	1113
JACKRABBIT	EARS : SURFACE TEMPERATURES AND VASCULAR RESPONSES	2912
ONTAL BARE CONDUCTOR IN A TWO-LAYER	EARTH	1635
ELF	EARTH RETURN CIRCUIT ELECTROMAGNETIC FIELDS AND THEIR SIMULATION	3080
AND MEASUREMENTS FOR UHF SATELLITE	EARTH TERMINALS	3510
ANGES OF THE SOLAR ACTIVITY AND THE	EARTH 'S MAGNETIC FIELD INTENSITY (IN RUSSIAN)	2690
INFLUENCE OF THE	EARTH 'S MAGNETIC FIELD ON THE COMB BUILDING ORIENTATION OF HORNETS	0304
RADIO PROPAGATION OVER PLANE	EARTH-FIELD STRENGTH CURVES	3493
SITIVITY OF THE HOMING PIGEON TO AN	EARTH-STRENGTH MAGNETIC FIELD	2371
CTRODE SYSTEM FOR RECORDING EEG AND	ECG IN ELECTROMAGNETIC FIELDS	1163
FFECT OF CONSTANT MAGNETIC FIELD ON	ECG IN EXPERIMENTAL ANIMALS	2061
CH PLAN FOR STUDY OF BIOLOGICAL AND	ECOLOGICAL EFFECTS OF THE SOLAR POWER SATELLITE TRANSMISSION SYSTE	0113
RADIOFREQUENCY FIELDS: A NEW	ECOLOGICAL FACTOR	3060
PILOT	ECOLOGICAL FIELD SURVEYS	1750
	ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS	1372
	ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS	2449
SANGUINE SYSTEM BIOLOGICAL/	ECOLOGICAL RESEARCH PROGRAM	3075
NAVY SPONSORED ELF BIOMEDICAL AND	ECOLOGICAL RESEARCH SUMMARY	1431
NAVY SPONSORED ELF BIOLOGICAL AND	ECOLOGICAL RESEARCH SUMMARY (UPDATE)	1790
AN	ECOLOGICAL SURVEY OF PLANTS EXPOSED TO ELF EM FIELDS	1772
PECTRUM, VOL II, TECHNICAL, SOCIAL,	ECONOMIC AND ADMINISTRATIVE FACTORS	3162
THE APPLICATION OF SOCIAL AND	ECONOMIC VALUES TO SPECTRUM MANAGEMENT: INTERIM REPORT	3163
RRENCE OF NEUROTIC DISORDERS IN SEA	ECONOMY WORKERS EXPOSED TO THE ACTION OF EM WAVES	1164
DRUG-INDUCED	ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE	2738

DRUG-INDUCED	ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE	2897
NITORING AND DIAGNOSIS OF PULMONARY	EDEMA BY MICROWAVES: A PRELIMINARY REPORT	2463
RGY CENTER, UNITS 2 AND 3, DETROIT,	EDISON , CO	3120
.45 GHZ MICROWAVES - LETTERS TO THE	EDITORS	0410
ELECTRIC ENERGY DENSITY METER MODEL	EDM-2	1011
LLAE ON POULTRY MEAT WITH LYSOZYME,	EDTA , X-RAY, MICROWAVE AND CHLORINE	1324
L, LOW-FREQUENCY ELECTRIC FIELDS ON	EEG AND BEHAVIOR IN MACACA NEMESTRINA	0831
LLIC ELECTRODE SYSTEM FOR RECORDING	EEG AND ECG IN ELECTROMAGNETIC FIELDS	1163
E HUMAN MAGNETOENCEPHALOGRAM: SOME	EEG AND RELATED CORRELATIONS	2462
	EEG CONCOMITANTS OF EXPOSURE TO OSCILLATING ENVIRONMENTAL ELECTRIC	1393
ELECTROCONVULSIVE THERAPY AND	EEG CORRELATES IN DEPRESSIVE DISORDERS	1870
STRY ON THE CENTRAL NERVOUS SYSTEM (	EEG DATA)	1426
THE PROBLEM OF EVALUATION OF	EEG FINDINGS IN RELATION TO THE EXPOSURE OF USW RADIOWAVES (IN POL	1943
EAK ELECTRIC FIELDS ON BEHAVIOR AND	EEG OF LABORATORY ANIMALS	2418
FECTS OF MODULATED RF ENERGY ON THE	EEG OF MAMMALIAN BRAINS :EFFECTS OF ACUTE & CHRONIC IRRADIATIONS	0095
FECTS OF MODULATED RF ENERGY ON THE	EEG OF MAMMALIAN BRAINS. II. APPEARANCE OF FAST AND SLOW WAVES AFT	0287
CHANGES IN THE	EEG OF THE RABBIT DURING THE ACTION OF A CONSTANT MAGNETIC FIELD	0951
	EEG PATTERNS IN RELATION TO RESPIRATORY RATE AND BODY MOVEMENT IN	0734
LE OF DIFFERENT BRAIN FORMATIONS IN	EEG REACTIONS OF RABBITS TO A CONSTANT MAGNETIC FIELD AND TO ULTRA	1486
OCK. ACUTE AND CHRONIC EXPERIMENTAL	EEG 'S ON RABBIT (IN ITALIAN)	1892
S ON LOCOMOTOR ACTIVITY IN AMERICAN	EELS AND ATLANTIC SALMON OF EXTREMELY LOW FREQUENCY ELECTRIC AND M	1783
TRIC FIELDS: PERCEPTION BY AMERICAN	EELS ?	1851
S ON THE MICROWAVE-INDUCED AUDITORY	EFFECT	0306
VOLVEMENT IN THE MICROWAVE AUDITORY	EFFECT	1047
TINUOUS EM FIELDS AND MECHANISMS OF	EFFECT	1052
R STUDIES ON THE MICROWAVE AUDITORY	EFFECT	2823
HE FREQUENCY DEPENDENCE OF THE KERR	EFFECT FOR SUSPENSIONS OF RIGID PARTICLES	1732
D STRENGTH METER EMPLOYING THE HALL	EFFECT IN GERMANIUM	3307
	EFFECT OF 'ELECTRIC RAY' OVEN EXPOSURE ON SYSTEMIC LUPUS ERYTHEMAT	2012
THE	EFFECT OF 1.6 GHZ RADIATION ON NEUROTRANSMITTERS IN DISCRETE AREAS	2169
	EFFECT OF 10 CM WAVES ON SPECIALIZED APPETITE FORMS AND ELECTROLYT	1357
	EFFECT OF 10-CM (3 GHZ) EMR (MICROWAVES) ON GRANULOCYTES IN VITRO	1078
	EFFECT OF 191 AND 155 MHZ MICROWAVES ON THE CONDITIONED REFLEX ACT	1349
	EFFECT OF 2,450 MHZ MICROWAVE RADIATION ON MICROORGANISMS	2815
	EFFECT OF 2450 MHZ MICROWAVE FIELDS ON PERIPHERAL NERVES	2384
THE	EFFECT OF 2450 MHZ MICROWAVE IRRADIATION ON THE GROWTH OF MICE	0808
	EFFECT OF 2450 MHZ MICROWAVE RADIATION ON HORSERADISH PEROXIDASE	0923
	EFFECT OF 2450 MHZ MICROWAVE RADIATION ON SOME SOIL MICROORGANISMS	1918
THE	EFFECT OF 2450 MHZ MICROWAVE RADIATON ON LIVER ADENOSINE TRIPHOSPH	0812
STUDIES ON THE	EFFECT OF 2450 MHZ MICROWAVES ON HUMAN IMMUNOGLOBULIN G	3032
	EFFECT OF 2450-MHZ MICROWAVES ON THE RADIATION RESPONSES OF X-IRRA	0521
	EFFECT OF 2450-MHZ RADIATION ON THE RABBIT EYE	1301
BIOLOGICAL	EFFECT OF 27.12-MHZ SHORT-WAVE DIATHERMIC HEATING IN EXPERIMENTAL	0036
NEUROPHYSIOLOGICAL	EFFECT OF 3-CM MICROWAVE RADIATION	1118
	EFFECT OF 765 KV TRANSMISSION LINES ON ANIMAL GRAZING HABITS	3614
	EFFECT OF A 50 HZ ELELCTRIC FIELD INFLUENCE ON THE ORGANISM	1591
PROLONGED	EFFECT OF A CONSTANT AND ALTERNATING MAGNETIC FIELD OF 1,000 OERST	1405
TIVIITY OF THE CEREBELLUM UNDER THE	EFFECT OF A CONSTANT MAGNETIC FIELD	0245
THE	EFFECT OF A CONSTANT MAGNETIC FIELD ON E COLI ENZYME ACTIVITY	2483
THE	EFFECT OF A DISCHARGE OF A HIGH-VOLTAGE CONDENSER ON THE OPTIC PRO	1398
	EFFECT OF A HIGH INTENSITY CONSTANT MAGNETIC FIELD ON PROLIFERATIO	0065
ME EXPERIMENTAL OBSERVATIONS OF THE	EFFECT OF A HIGH- FREQUENCY EM FIELD IN VIVO AND IN VITRO	2577
THE NATURE OF THE	EFFECT OF A HIGH-FREQUENCY ELECTRIC FIELD UPON PARAMOECIUM	3464
	EFFECT OF A HIGH-INTENSITY MAGNETIC FIELD ON ENZYMATIC HYDROLYSIS	1558
	EFFECT OF A LOW FREQUENCY (50 HZ) ELECTRIC FIELD ON THE BODY (IN R	0233
OCHEMICAL ASPECTS OF THE BIOLOGICAL	EFFECT OF A LOW- FREQUENCY PULSED ELECTROMAGNETIC FIELD	3245
OCHEMICAL ASPECTS OF THE BIOLOGICAL	EFFECT OF A LOW-FREQUENCY PULSED EM FIELD	0443
RS AND THE LIVER FUNCTION UNDER THE	EFFECT OF A LOW-FREQUENCY PULSED EM FIELD	1514
CHANGES IN THE TESTES DUE TO THE	EFFECT OF A LOW-FREQUENCY PULSED EM FIELD ON THE ANIMAL ORGANISM	1508
	EFFECT OF A LOW-INTENSITY ELECTOMAGNETIC FIELD IN THE SUPER HIGH F	0317
ART OF RAT BRAIN IN THE ANTITUMORAL	EFFECT OF A MAGNETIC FIELD	1557
THE NATURE OF THE	EFFECT OF A MAGNETIC FIELD ON NUTRIENT MEDIUM COMPOSITION AND TOXI	2482
	EFFECT OF A MAGNETIC FIELD ON THE DIELECTRIC CONSTANT OF PROCESS W	0954
THE	EFFECT OF A MAGNETIC FIELD ON THE NATURAL RESISTANCE OF WHITE MICE	2486
	EFFECT OF A MODULATED EM FIELD ON SELF-STIMULATION RESPONSE IN RAT	2546

D POTENTIALS OF RAT BRAIN UNDER THE	EFFECT OF A PERMANENT MAGNETIC FIELD	0280
	EFFECT OF A PERMANENT MAGNETIC FIELD ON ELABORATION OF CONDITIONED	0273
	EFFECT OF A PULSED ELECTRIC CURRENT ON THE COURSE OF REPARATIVE OS	2822
	EFFECT OF A PULSED MAGNETIC FIELD ON CHICK EMBRYOS IN THE 48TH HOU	1559
THE	EFFECT OF A SCREENING OF THE ELECTRIC FIELD DURING THE NIGHT ON PE	1181
THE	EFFECT OF A SUPER-HIGH FREQUENCY FIELD ON THE PHYSICAL TRAINING OF	1869
ENDOCRINE SYSTEM UNDER THE CHRONIC	EFFECT OF A SUPERHIGH FREQUENCY FIELD	1938
	EFFECT OF A UHF ELECTRIC FIELD ON SPERMATOGENESIS	0224
	EFFECT OF A UHF FIELD ON THE COURSE OF HYPERTENSIVE DISEASE	1507
ATTEMPT AT DEMONSTRATING THE	EFFECT OF A WEAK MAGNETIC FIELD ON TARAXACUM OFFICINALE	0941
	EFFECT OF AC ELECTRIC FIELD APPLICATION UPON HUMAN VISUAL THRESHOL	2154
THE	EFFECT OF AMBIENT TEMPERATURE ON THE REDUCTION OF MICROWAVE ENERGY	2762
	EFFECT OF AN ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKE	2036
INVESTIGATIONS ON THE	EFFECT OF AN ELECTROSTATIC FIELD FREE OF RESIDUAL WAVES ON THE MOT	2703
S WITH A HISTORY OF EXPOSURE TO THE	EFFECT OF AN EM FIELD OF EXTRA-HIGH FREQUENCY (IN RUSSIAN WITH ENG	0591
THE	EFFECT OF AN EM FIELD ON EARLY EMBRYOGENESIS IN QUAIL	2110
THE	EFFECT OF AN ULTRA-HIGH FREQUENCY FIELD ON THE FUNCTIONS OF THE NE	2025
	EFFECT OF ANENOSINE MONOPHOSPHORIC ACID ON OXIDATIVE PHOSPHORYLATI	1838
PERTURBATION	EFFECT OF ANIMAL RESTRAINING MATERIALS ON MICROWAVE EXPOSURE	1610
IT'S CEREBRAL HEMISPHERES UNDER THE	EFFECT OF BITEMPORAL DIATHERMY	1996
AVE RADIATION IN SMALL ANIMALS: THE	EFFECT OF BODY MASS AND EXPOSURE GEOMETRY	2736
THE	EFFECT OF BRIEF EXPOSURE TO A MAGNETIC FIELD ON THE BLOOD SEDIMENT	2014
	EFFECT OF CENTIMETER WAVES AND INDUCTOTHERMY ON THE ADRENOCORTICAL	0282
THE	EFFECT OF CHOLINERGIC AGENTS ON THE OUTCOME OF ACUTE AFFECTION OF	1397
	EFFECT OF CHRONIC MICROWAVE IRRADIATION ON THE BLOOD FORMING SYSTE	0622
THE	EFFECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES	2385
THE	EFFECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES	2892
	EFFECT OF CHRONIC, LOW LEVEL MICROWAVE RADIATION ON THE INCIDENCE	3021
S AND MULTILAYER TISSUE SPHERES AND	EFFECT OF CIRCULATION	2447
THERAPEUTIC	EFFECT OF CONSTANT AND LOW-FREQUENCY INTERMITTENT MAGNETIC FIELDS	2135
	EFFECT OF CONSTANT AND VARIABLE MAGNETIC FIELDS ON SOME INDICES OF	2493
THE	EFFECT OF CONSTANT MAGNETIC FIELD ON ECG IN EXPERIMENTAL ANIMALS	2061
	EFFECT OF CONSTANT MAGNETIC FIELD ON THE COURSE OF PREGNANCY AND P	1430
THE MECHANISM OF THE BIOLOGICAL	EFFECT OF CONSTANT MAGNETIC FIELDS	2489
	EFFECT OF CONSTANT MAGNETIC FIELDS ON MACROMOLECULES (IN RUSSIAN W	1121
	EFFECT OF CONTINUOUS AND INTERMITTENT IRRADIATION BY AN ULTRAHIGH-	1860
	EFFECT OF CONTINUOUS EXPOSURE TO EXTREMELY LOW FREQUENCY ELECTRIC	1421
	EFFECT OF CONTINUOUS EXPOSURE TO LOW FREQUENCY ELECTRIC FIELDS ON	0674
THE	EFFECT OF CONTROLLED EM ENERGY ON BIOLOGICAL SYSTEMS	2506
	EFFECT OF CONTROLLED EMR ON THE GROWTH OF CELLS IN TISSUE	0267
	EFFECT OF CONVENTIONAL AND MICROWAVE HEATING ON PSEUDOMONAS PUTREF	2693
A CONSTANT MAGNETIC FIELD UNDER THE	EFFECT OF CORAZOL	0281
	EFFECT OF DIAGNOSTIC ULTRASOUND ON MATERNAL AND FETAL CHROMOSOMES	2938
	EFFECT OF DIATHERM, (SHORTWAVE AND MICROWAVE) ON BONE GROWTH IN TH	3371
IED TO THE EYE AND ORBIT A. THERMAL	EFFECT OF DIATHERMY	3365
	EFFECT OF DIFFERENT DOSES OF CENTIMETER ELECTROMAGNETIC OSCILLATIO	0071
	EFFECT OF DIFFERENT RADIOWAVE RANGES ON THE NERVOUS SYSTEM (SONIC	1350
	EFFECT OF DIFFERENT RANGES OF EM RF WAVES ON THE CHOLINESTERASE AC	1353
E IRRADIATION--WITH EMPHASIS ON THE	EFFECT OF DIFFERENT SWEAT MODELS	2191
	EFFECT OF DMSO ON THE DIELECTRIC PROPERTIES OF CANINE KIDNEY TISSU	2847
IMMEDIATE	EFFECT OF ELECTRIC CARDIOVERSION ON THE INDICES OF HEMODYNAMICS AN	1396
	EFFECT OF ELECTRIC FIELDS ON GROWTH RATE OF EMBRYONIC CHICK TIBIAE	0592
NFORMATION TRANSFER SYSTEM, PART I:	EFFECT OF ELECTRIC FIELDS ON LIVING ORGANISMS	0696
	EFFECT OF ELECTRIC SHOCK ON SEROTONIN (5 HT) CONTENT IN DIFFERENT	2227
THE	EFFECT OF ELECTRICAL AND MAGNETIC FIELDS ON THE VITAL ACTIVITY OF	3507
	EFFECT OF ELECTRICAL STIMULATION OF THE AUTONOMIC NERVE SUPPLY ON	1699
THE	EFFECT OF ELECTRICAL STIMULATION ON THE BIOPHYSICAL PROPERTIES OF	2241
THE	EFFECT OF ELECTROMAGNETIC AND MAGNETIC FIELDS ON THE CENTRAL NERVO	3070
CLINICAL FEATURES OF THE	EFFECT OF ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING	0210
THE BIOLOGICAL	EFFECT OF ELECTROMAGNETIC FIELDS	2491
THE	EFFECT OF ELECTROSHOCK ON ENERGY METABOLISM IN CEREBELLAR LAYERS	2638
	EFFECT OF ELECTROSTATIC FIELD ON ANTIBODY SYNTHESIS (IN RUSSIAN)	2229
A STUDY OF THE	EFFECT OF ELF EM FIELDS UPON DROSOPHILA MELANOGASTER	1770
THE	EFFECT OF EM CONTROLLED ENERGY ON VIRUSES IN HUMAN BLOOD	2515
	EFFECT OF EM ENERGY ON THE FORMATION OF TRIGLYCERIDES: FREQUENCY I	1130

SELECTIVE	EFFECT OF EM ENERGY ON VIRUSES	2504
TION OF THE ENDOCRINE SYSTEM TO THE	EFFECT OF EM FIELD OF INDUSTRIAL FREQUENCY (50 HZ)	2031
ES OF THE HEART UNDER CONDITIONS OF	EFFECT OF EM FIELD OF INDUSTRIAL FREQUENCY ON THE BODY	2713
O THE NOTE OF FED'KINA ET AL ON THE	EFFECT OF EM FIELD ON ENZYMIC SUBSTRATES	2686
	EFFECT OF EM FIELDS ON AIR IONIZATION (IN RUSSIAN)	1632
	EFFECT OF EM INTERFERENCE ON CARDIAC PACEMAKERS	1999
ENGLISH ABSTRACT OF '	EFFECT OF EM OSCILLATIONS IN THE MICROWAVE RANGE ON THE IRON, COPP	2841
	EFFECT OF EM PULSE ON AVOIDANCE BEHAVIOR AND ELECTROENCEPHALOGRAM	0999
DUSTRIAL HYGIENE AND THE BIOLOGICAL	EFFECT OF EM RADIOFREQUENCY WAVES	1338
	EFFECT OF EM ULTRASHORT WAVELENGTH FIELDS (155 AND 191 MHZ) ON THE	1354
EXPERIMENT ON THE	EFFECT OF EM WAVES ON THE REACTIVITY OF CELLS AND TIS°UES. IV. CO	2016
AND ULTRASTRUCTURAL ANALYSIS OF THE	EFFECT OF EMR ON RAT LIVER AND BRAIN	2356
THE	EFFECT OF EMR ON THE HEMATOPOIETIC STEM CELLS OF MICE	1075
THE	EFFECT OF ENVIRONMENTAL TEMPERATURE AND AVERAGE DOSE RATE OF MICRO	0369
	EFFECT OF EXPERIMENTAL MAGNETIC STORM ON THE PRODUCTION OF LAMBDA	0412
	EFFECT OF EXPOSURE TO RADIO-FREQUENCY ELECTRIC FIELDS ON SEED-BORN	1921
THE	EFFECT OF EXPOSURE TO THE INTACT ORGANISM TO A CONSTANT MAGNETIC F	2490
LACK OF	EFFECT OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON	1171
	EFFECT OF EXTREMELY LOW FREQUENCY EMR ON CHROMOSOMES	2550
THE	EFFECT OF EXTREMELY LOW FREQUENCY MAGNETIC FIELDS ON HUMAN PERFORM	1322
ON THE	EFFECT OF FREQUENCY IN EM INTERACTIONS WITH BIOLOGICAL SYSTEMS	2543
	EFFECT OF GENERAL ANESTHETICS ON MICE FOLLOWING MICROWAVE IRRADIAT	0246
	EFFECT OF GRADUALLY MODULATED ELECTRICAL STIMULATION ON THE PLASTI	2861
STUDIES ON THE BIOLOGICAL	EFFECT OF HIGH FREQUENCY RADIO WAVES (RADAR)	0476
STUDIES ON THE BIOLOGICAL	EFFECT OF HIGH FREQUENCY RADIO. WAVES (RADAR)	3330
A SPECIFIC	EFFECT OF HIGH-FREQUENCY ELECTRIC CURRENTS ON BIOLOGICAL OBJECTS	0544
	EFFECT OF HIGH-FREQUENCY EM FIELD UPON HAEMOPOIETIC STEM CELLS IN	0735
	EFFECT OF HIGH-FREQUENCY EM OSCILLATIONS IN ASSOCIATION WITH TASHK	1835
	EFFECT OF HIGH-FREQUENCY FIELDS ON MICRO-ORGANISMS	1899
	EFFECT OF HIGH-POWER DENSITY MICROWAVE IRRADITION ON SOLUBLE PROTE	0179
	EFFECT OF HOMOGENEOUS MAGNETIC FIELD ON RED BLOOD CELLS: A CELL EL	0117
THE	EFFECT OF HYPERTHERMIA ON HUMAN COLON CANCER XENOGRAFTS IN NUDE MI	0337
THE	EFFECT OF HYPERTHERMIA ON SURVIVAL IN TRANSPLANTED LYMPHOSARCOMA	0019
	EFFECT OF IMPULSE ELECTRICAL CURRENT ON REPARATIVE REGENERATION OF	2075
IMPROVING THE THERAPEUTIC	EFFECT OF INDUCTOTHERAPY OF THE LUMBAR REGION IN DERMATOLOGY (IN R	2716
ESORPTION FROM THE PLEURA UNDER THE	EFFECT OF INDUCTOTHERMY CURRENTS (IN UKRAINIAN)	2599
THE	EFFECT OF INSTRUMENT AVERAGING TIME ON MICROWAVE POWER DENSITY MEA	0614
THE	EFFECT OF INSTRUMENT AVERAGING TIME ON MICROWAVE POWER DENSITY MEA	3031
MODIFICATION OF THE CYTOGENETIC	EFFECT OF IONIZING RADIATION UNDER THE INFLUENCE OF PERMANENT MAGN	1595
INVESTIGATION OF THE	EFFECT OF IRRADIATION CONDITIONS ON THE NERVOUS SYSTEM OF PERSONS	2008
LS AND TISSUES. IV. COMMUNICATION:	EFFECT OF IRRADIATION WITH RED-LIGHT AND MICROWAVES ON THE REACTIV	2016
	EFFECT OF LESIONS OF SOME ZONES OF THE BRAIN ON MITOSIS OF THE EPI	2854
	EFFECT OF LOCAL HYPERTHERMIA INDUCED BY MICROWAVES AND XRAYS ON WA	0136
NE EXTREME LOW FREQUENCY EM FIELDS:	EFFECT OF LONG- TERM EXPOSURE ON SOIL ARTHROPODS AND OTHER ANIMALS	2160
EXTREMELY LOW FREQUENCY EM FIELDS:	EFFECT OF LONG-TERM EXPOSURE ON SOIL ARTHROPODS IN NATURE	1769
THE	EFFECT OF LOW ENERGY, EXTREMELY LOW FREQUENCY (ELF) EMR ON OPERANT	1757
THE	EFFECT OF LOW FREQUENCY ELECTRIC FIELD ON ANAPHYLACTIC SHOCK AND A	1937
THE	EFFECT OF LOW INTENSITY CENTIMETER WAVES ON THE FERTILITY OF FEMAL	1361
	EFFECT OF LOW-FREQUENCY ELECTRIC STIMULATION OF THE CAUDATE NUCLEU	1406
	EFFECT OF LOW-INTENSITY ELECTROMAGNETIC FIELD OF ULTRA HIGH FREQUE	0344
INVESTIGATION OF THE	EFFECT OF LOW-INTENSITY UHF EM WAVES ON BACILLUS MESENTERICUS AND	1633
	EFFECT OF LOW-LEVEL, LOW-FREQUENCY ELECTRIC FIELDS ON EEG AND BEHA	0831
	EFFECT OF MAGNETIC AND ELECTRIC FIELDS ON THE GROWTH AND RATE OF M	1593
	EFFECT OF MAGNETIC FIELD ON OSCILLATING BLOOD FLOW IN ARTERIES	0920
	EFFECT OF MAGNETIC FIELD ON THE ELECTRICAL CONDUCTIVITY OF CHICKEN	0219
	EFFECT OF MAGNETIC FIELD ON THE RECOMBINATION FLUORESCENCE OF PHOT	0032
	EFFECT OF MAGNETIC FIELDS COMBINED WITH EM WAVES ON TRYPANOSOMATIC	0866
	EFFECT OF MAGNETIC FIELDS IN INDUSTRY ON THE CENTRAL NERVOUS SYSTE	1426
BIOPHYSICAL EXPLANATIONS OF THE	EFFECT OF MAGNETIC FIELDS ON BIOLOGICAL OBJECTS	3189
	EFFECT OF MAGNETIC FIELDS ON REACTION TIME PERFORMANCE	2107
	EFFECT OF MAGNETIC FIELDS ON YEAST CELLS (IN GERMAN)	2714
SHIELDING	EFFECT OF MATERIALS IN THE ULF, ELF AND VLF REGION	1183
THE	EFFECT OF MEAT TREATED WITH SUPER-HIGH FREQUENCY ENERGY INFRARED R	2701
	EFFECT OF METALLIC INCLUSIONS IN THE BODY ON THE INTENSITY OF ULTR	1694
CLINICAL ASPECTS OF THE	EFFECT OF METRIC RANGE EM FIELDS	0627

THE	EFFECT OF MICRO WAVES ON THE CENTRAL NERVOUS SYSTEM	1994
THE	EFFECT OF MICROWAVE DIATHERMY ON THE PERIPHERAL CIRCULATION AND ON	0481
HYGIENIC PROBLEMS OF THE	EFFECT OF MICROWAVE EM FIELDS ON THE BODY	0586
	EFFECT OF MICROWAVE EMISSION ON THE CONTENT OF IRON, COPPER, COBAL	1498
THE	EFFECT OF MICROWAVE EMR ON THE GROWTH OF MAMMALIAN CELLS IN TISSUE	2514
THE	EFFECT OF MICROWAVE EXPOSURE ON BACTERIA MUTATION INDUCTION	2179
	EFFECT OF MICROWAVE FIELDS ON MUSCLE CONTRACTION	1190
	EFFECT OF MICROWAVE HEATING OF PRECOOKED CHICKEN ON CLOSTRIDIUM PE	2501
ANALEPTIC	EFFECT OF MICROWAVE IRRADIATION ON EXPERIMENTAL ANIMALS	1850
HISTOLOGICAL AND HISTOCHEMICAL	EFFECT OF MICROWAVE IRRADIATION ON THE CENTRAL NERVOUS SYSTEM OF R	1492
THE	EFFECT OF MICROWAVE IRRADIATION ON THE TURNOVER RATE OF SERTONIN A	0570
BIOLOGICAL	EFFECT OF MICROWAVE OF LOW INTENSITY	3065
	EFFECT OF MICROWAVE ON DEVELOPMENT OF GONADS AND ADRENAL GLANDS IN	3415
THE	EFFECT OF MICROWAVE ON Y-MAZE LEARNING IN THE WHITE RAT	3503
	EFFECT OF MICROWAVE OR WATERBATH HYPERTHERMIA ON TUMOR GROWTH	2768
	EFFECT OF MICROWAVE OVEN ON FACIAL RADIODERMATITIS	2011
	EFFECT OF MICROWAVE OVEN ON IMPLANTED CARDIAC PACEMAKER	0513
PRELIMINARY STUDY OF THE CUMULATIVE	EFFECT OF MICROWAVE RADIATION (2,450 MHZ) ON THE IMMUNE RESPONSE O	0312
THE	EFFECT OF MICROWAVE RADIATION (2450 MHZ) ON THE MORPHOLOGY AND CHR	2751
	EFFECT OF MICROWAVE RADIATION (2MHZ) ON THE PITUTITARY-TESTICULAR	3400
ONOPOLE RADIATOR TO INVESTIGATE THE	EFFECT OF MICROWAVE RADIATION IN BIOLOGICAL SYSTEMS	1175
TS ON THE PROBLEM OF THE BIOLOGICAL	EFFECT OF MICROWAVE RADIATION IN THE DEPT. OF PHYSICAL INJURY AT T	1922
NON-THERMAL	EFFECT OF MICROWAVE RADIATION IN VITRO ON PERITONEAL MAST CELLS OF	2033
	EFFECT OF MICROWAVE RADIATION ON BIRDS	0762
	EFFECT OF MICROWAVE RADIATION ON CELLS TREATED WITH MEMBRANE-INJUR	2717
	EFFECT OF MICROWAVE RADIATION ON CEREBRAL CATECHOLAMINE METABOLISM	0011
BIOLOGICAL THERMAL	EFFECT OF MICROWAVE RADIATION ON HUMAN EYES	2151
THE	EFFECT OF MICROWAVE RADIATION ON MORPHOLOGY AND FUNCTION OF RAT TE	2893
	EFFECT OF MICROWAVE RADIATION ON PENTOBARBITAL-INDUCED SLEEPING TI	2171
THE	EFFECT OF MICROWAVE RADIATION ON THE EYE	2472
	EFFECT OF MICROWAVE RADIATION ON THE FROG SCIATIC NERVE	3192
	EFFECT OF MICROWAVE RADIATION ON THE HEMOPOIETIC SYSTEM OF THE RAT	2005
OF HISTO-HEMATIC BARRIERS UNDEk THE	EFFECT OF MICROWAVES	1992
THE	EFFECT OF MICROWAVES (2450 MHZ) ON ISOLATED RAT LIVER MITOCHONDRIA	1076
THE	EFFECT OF MICROWAVES (2450 MHZ) ON LYMPHOCYTE BLAST TRANSFORMATION	2184
THE	EFFECT OF MICROWAVES (2450 MHZ) ON THE IMMUNE SYSTEM IN MICE. II	2350
CURRENT PROBLEMS OF THE BIOLOGICAL	EFFECT OF MICROWAVES (IN RUMANIAN)	2721
IMMUNOLOGICAL	EFFECT OF MICROWAVES (IN RUSSIAN)	0029
EXPEIMENTAL STUDIES OF THE HEATING	EFFECT OF MICROWAVES (RADAR) IN LIVING TISSUES	3369
OF VISION OF PERSONS EXPOSED TO THE	EFFECT OF MICROWAVES (WITH PARTICULAR CONSIDERATION OF DULLNESS IN	2578
STUDIES ON THE COMBINED	EFFECT OF MICROWAVES AND SOME DRUGS ON BIOELECTRIC ACTIVITY OF THE	1946
	EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTUR	0452
	EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTUR	0453
	EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTUR	0523
	EFFECT OF MICROWAVES COMBINED WITH INTERFERON AND/OR INTERFERON IN	1160
STUDIES ON THE	EFFECT OF MICROWAVES EMITTED BY RADAR DEVICES ON THE TESTICLES AND	2502
	EFFECT OF MICROWAVES EMITTED BY RADAR TRANSMITTERS ON THE ORIGINAT	3477
BIOLOGICAL	EFFECT OF MICROWAVES IN OCCUPATIONAL HYGIENE	2250
	EFFECT OF MICROWAVES IN THE THERMAL INTENSITY RANGE ON MICE. BODY	0120
	EFFECT OF MICROWAVES ON BLOOD SERUM BUTYRYL CHOLINESTERASE ACTIVIT	1510
	EFFECT OF MICROWAVES ON CELL FUNCTION AND VIRUS REPLICATION IN CEL	1077
SYSTEM FOR INVESTIGATING NONTHERMAL	EFFECT OF MICROWAVES ON CELLS	2209
COMPARATIVE EVALUATION OF THE	EFFECT OF MICROWAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN T	1356
THE	EFFECT OF MICROWAVES ON ERYTHROCYTE POTASSIUM AND SODIUM ION PERME	2020
	EFFECT OF MICROWAVES ON ESCHERICHIA COLI AND BACILLUS SUBTILIS	0486
TWO POSSIBLE MECHANISMS OF THE	EFFECT OF MICROWAVES ON HEMOGLOBIN	2308
	EFFECT OF MICROWAVES ON STEROIDS PLASMA LEVELS IN MALE RATS	2788
	EFFECT OF MICROWAVES ON THE BLOOD PRESSURE LEVELS IN TEST ANIMALS	1355
	EFFECT OF MICROWAVES ON THE EYE	0449
INVESTIGATIONS ON THE	EFFECT OF MICROWAVES ON THE EYE	0699
	EFFECT OF MICROWAVES ON THE FUNCTIONAL STATE OF THE NERVE	1941
COMPARISON OF THE	EFFECT OF MICROWAVES ON THE LIPID METABOLISM OF SEVERAL MOUSE STRA	3404
	EFFECT OF MICROWAVES ON THE MORPHOLOGY AND FUNCTION OF THE THYROID	1923
	EFFECT OF MICROWAVES ON THE RABBIT EYE	0675
	EFFECT OF MICROWAVES ON THE REACTIONS OF THE WHITE BLOOD CELLS SYS	3255

	EFFECT OF MICROWAVES ON THE RESPONSES OF WHITE BLOOD CELL SYSTEM	2318
THE	EFFECT OF MICROWAVES ON THE TOBACCO BEETLE	2887
	EFFECT OF MICROWAVES ON VIRUS MULTIPLICATION IN MAMMALIAN CELLS	1159
SION OF PHAGOCYTOSIS: A NON-THERMAL	EFFECT OF MICROWAVES RADIATION AS A POTENTIAL HAZARD TO HEALTH	2019
OF VISION OF PERSONS EXPOSED TO THE	EFFECT OF MICROWAVES WITH PARTICULAR CONSIDERATION OF DULLNESS IN	3474
IVITY WITH MICROWAVE RADIATION--I.	EFFECT OF MOISTURE CONTENT AND POST-RADIATION HYDRATION	1961
BIOLOGICAL	EFFECT OF NATURAL AND WEAK ARTIFICIAL MAGNETIC FIELDS (ON THE STAT	1003
AND CYTOLOGICAL OBSERVATIONS ON THE	EFFECT OF NONIONIZING (MICROWAVE) RADIATION	2331
BAR MAGNETS MASK THE	EFFECT OF NORMAL MAGNETIC DISTURBANCES ON PIGEON ORENTATION	0169
BIOLOGICAL	EFFECT OF PERMANENT MAGNETIC FIELD ON HEMATOPOIETIC SYSTEM OF INTA	0102
	EFFECT OF PERMANENT MAGNETIC FIELD ON THE SPERM OF BREEDING BULLS	0082
BIOLOGICAL	EFFECT OF PERMANENT MAGNETIC FIELDS	1594
PERTIES OF BLOOD ELEMENTS UNDER THE	EFFECT OF PHYSICAL FACTORS (IN RUSSIAN)	2128
THE	EFFECT OF POST-RADIATION HYPERTHERMIA ON HUMAN SKIN AND TUMOR RESP	2341
DISINFECTING	EFFECT OF PULSED ELECTRICAL DISCHARGES ON BINARY BACTERIAL SUSPENS	2725
	EFFECT OF PULSED EM ENERGY (DIAPULSE) OF EXPERIMENTAL HEMATOMAS	1828
	EFFECT OF PULSED MICROWAVES AT X-BAND ON SKIN METABOLISM	2049
PIG SKIN IN TISSUE CULTURE, PART 3:	EFFECT OF PULSED MICROWAVES ON SKIN RESPIRATION AND BIOCHEMISTRY	0453
Y INVESTIGATIONS ON THE THERAPEUTIC	EFFECT OF PULSED SHORT WAVES IN INTERMITTENT CLAUDICATION	0490
THE	EFFECT OF PULSED, SHORT WAVES ON ALVEOLAR HEALING	0512
	EFFECT OF RADAR EMANATIONS ON THE HAMATOPOIETIC SYSTEM	3319
THE	EFFECT OF RADAR ON CARDIAC PACEMAKERS	1316
STIGATION OF AN ASSUMED SYNERGISTIC	EFFECT OF RADIO FREQUENCY RADIATION AND IONIZING RADIATION ON THE	0228
PROTECTION FROM THE	EFFECT OF RADIO WAVES	0519
ROID SUBSTANCE OF NEURONS UNDER THE	EFFECT OF RADIO WAVES	1995
A STUDY OF THE	EFFECT OF RADIO-FREQUENCY AND MICROWAVE EM FIELDS ON THE ENZYME-SU	2481
	EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY O	0662
	EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY O	3221
	EFFECT OF RADIO-FREQUENCY FIELDS ON THE ZETA-POTENTIAL OF A COLLOI	3222
STUDIES ON THE	EFFECT OF RADIO-FREQUENCY WAVES ON BIOLOGICAL MACROMOLECULES	0834
A HISTOPATHOLOGIC STUDY ON THE	EFFECT OF RADIOFREQUENCY THERMOTHERAPY ON MALIGNANT TUMORS OF THE	0107
TS IN SEMICONDUCTORS AND BIOLOGICAL	EFFECT OF RADIOWAVES	0478
MORPHOLOGICAL STUDIES OF THE	EFFECT OF RADIOWAVES ON THE NERVOUS SYSTEM OF RATS SENSITIVE TO SO	1351
THE	EFFECT OF REPEATED MICROWAVE EXPOSURE IN NEONATAL RATS	2885
THE	EFFECT OF REPEATED MICROWAVE EXPOSURE ON NEONATAL RATS	2744
THE	EFFECT OF REPETITIVE PRENATAL LOW-LEVEL MICROWAVE EXPOSURE ON DEVE	2677
THE	EFFECT OF SEQUENCE AND TIME INTERVALS OF COMBINED HYPERTHERMIA AND	2819
	EFFECT OF SHF EM ENERGY AND OF CONSTANT MAGNETIC FIELD ON MUTAGENE	2001
	EFFECT OF SHORT AND ULTRASHORT WAVES ON THE BREEDING CAPACITY OF M	1360
AN	EFFECT OF SHORT ELECTRIC WAVES ON DIPHTHERIA TOXIN INDEPENDENT OF	0531
THE	EFFECT OF SIXTY-CYCLE AC CURRENT ON THE REGENERATION AXIS OF DUGES	2648
	EFFECT OF SMALL DOSE OF ELECTROMAGNETIC WAVES ON SOME ORGANS AND S	0319
	EFFECT OF SMALL DOSES OF UHF EM WAVES ON SOME INDICES OF RENAL FUN	1629
LIMINARY CLINICAL EVALUATION OF THE	EFFECT OF SMALL ELECTRICAL CURRENTS ON THE HEALING OF JAW FRACTURE	2780
THE	EFFECT OF SOME ANALEPTICS ON THE OUTCOME OF AN ACUTE MICROWAVE LES	1630
EACTIVITY OF THE ORGANISM UNDER THE	EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS. (IN RUS.)	0162
THE	EFFECT OF STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS	2812
	EFFECT OF STATIC ELECTRICITY ON THE HUMAN ORGANISM UNDER THE CONDI	2076
MECHANISMS OF THE	EFFECT OF STATIONARY MAGNETIC FIELD ON INDUCED CARCINOGENESIS (IN	2594
	EFFECT OF STEADY MAGNETIC FIELD ON SOME ASPECTS OF ENERGY AND NITR	0429
AL REACTIVITY OF THE BODY UNDER THE	EFFECT OF SUPER-HIGH FREQUENCY EM FIELDS UNDER THE CONDITIONS OF D	2715
	EFFECT OF SUPER-HIGH FREQUENCY EM IRRADIATION ON THE ELECTROPHORET	2593
	EFFECT OF SUPERHIGH FREQUENCY FIELDS OF HIGH INTENSITIES ON THE BL	1480
SUREMENT TECHNIQUES IN STUDYING THE	EFFECT OF SUPERHIGH FREQUENCY FIELDS ON BIOLOGICAL SUBJECTS	3064
IN ANIMALS SUBJECTED TO THE CHRONIC	EFFECT OF SUPERHIGH FREQUENCY IRRADIATION OF LOW INTENSITY	1481
THE COMBINED	EFFECT OF SUPERHIGH-FREQUENCY FIELDS AND ADVERSE MICROCLIMATE ON T	1981
	EFFECT OF SURFACE COOLING AND BLOOD FLOW ON THE EM HEATING OF TISS	2451
A SPECIFIC	EFFECT OF THE BIOLOGICAL IMPACT OF MICROWAVES	3430
THE BIOLOGICAL	EFFECT OF THE ELECTRIC FIELDS OF HIGH-TENSION LINES ON MAN (IN GER	2406
	EFFECT OF THE MAGNETIC FIELD COMPONENT OF THE KRAUSLECHNER METHOD	0131
	EFFECT OF THE MAGNETIC FIELD OF A SOLENOID ON THE CENTRAL NERVOUS	0727
	EFFECT OF THE MAGNETIC FIELD ON THE DIRECTIONAL BEHAVIOR OF GOLDFI	1227
THE	EFFECT OF THE PULSE ULTRAHIGH FREQUENCY EM FIELD ON THE SERUM CHOL	0693
PIG SKIN IN TISSUE CULTURE, PART 2:	EFFECT OF THE RADIATION ON SKIN BIOCHEMISTRY	0452
PARATUS FOR EXPOSING TISSUE AND THE	EFFECT OF THE RADIATION ON SKIN RESPIRATION	0523

ON THE	EFFECT OF THE ULTRAHIGH FREQUENCY FIELD ON CERTAIN PATHOGENIC MICR	1506
	EFFECT OF UHF ELECTRICAL FIELD ON THE BLOOD CLOTTING SYSTEM IN ANI	2226
THE	EFFECT OF UHF EMR ON THE IMMUNOBIOLOGICAL PROPERTIES OF THE ORGANI	0459
VARIOUS BRAIN STRUCTURES UNDER THE	EFFECT OF UHF FIELD OF LOW INTENSITY (IN RUSSIAN)	1399
	EFFECT OF UHF FIELD OF SMALL INTENSITY ON INDICES OF THE CARDIOVAS	2079
THE	EFFECT OF UHF WAVES ON HEMOPOIESIS (EXPERIMENTAL INVESTIGATION)	2006
CTIVITY OF THE HYPOPHYSIS UNDER THE	EFFECT OF UHF-FIELD (IN RUSSIAN)	1637
BIOLOGICAL	EFFECT OF ULTRA-HIGH FREQUENCY FIELDS OF VARIED INTENSITY	2870
COMBINED	EFFECT OF ULTRAHIGH-FREQUENCY RADIATION AND HYPEROXIA ON ANIMALS	2826
EVALUATION OF THE BIOLOGICAL	EFFECT OF ULTRASHORT WAVES ON THE VISUAL ORGAN	1345
	EFFECT OF VARIOUS EM FIELDS ON THE REPRODUCTIVE PERFORMANCE OF CHI	2687
LINICAL SYNDROMES ARISING UNDER THE	EFFECT OF VARIOUS RADIO FREQUENCY BANDS	2007
THE PROCESS OF INHIBITION UNDER THE	EFFECT OF WEAK STIMULI	1990
	EFFECT OF ZERO MAGNETIC FIELDS ON THE MEMBRANE BOUND ENZYME ACTIVI	2620
TEOGENESIS IN INTACT TIBIAE AND THE	EFFECT ON FRESH FRACTURE DEFECTS IN RADII	2773
MAGNETISM: ITS	EFFECT ON LIVING MATTER--A BIBLIOGRAPHY	2113
ON THE ELECTRIC AND MAGNETIC FIELD	EFFECT ON LIVING ORGANISMS	1586
SERTONIN AND NOREPINEPHRINE AND THE	EFFECT ON MONOAMINE METABOLIZING ENZYMES	0570
MICROWAVE	EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION	1327
MICROWAVE	EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION	2436
NONLINEAR	EFFECT ON THE ABSORPTION OF MICROWAVES BY A PLASMA	0949
MICROWAVE HEATING	EFFECT ON THE DOG THYROID GLAND	1429
RRADIATION OF PREGNANT RATS AND THE	EFFECT ON THE FETUS	2878
ELECTROMAGNETISM AND ITS	EFFECT ON THE ORGANISM	2129
ENHANCEMENT OF IONIZING RADIATION	EFFECT ON THE TESTES OF RATS BY MICROWAVE OR ULTRASOUND-INDUCED HY	0125
MICROWAVES:	EFFECT ON THERMOREGULATORY BEHAVIOR IN RATS	0358
THE COMBINED	EFFECT PRODUCED ON THE ANIMAL ORGANISM BY SUPERHIGH FREQUENCY EM W	2029
T RADIATOR FOR MICROWAVE BIOLOGICAL	EFFECT RESEARCH	1020
CITY NOISE AND ITS	EFFECT UPON AIRBORNE ANTENNA NOISE TEMPERATURE AT UHF	3177
ALTERNATING MAGNETIC FIELD	EFFECT UPON HEALING OF ULCERS OF THE LOWER EXTREMITIES (IN RUSSIAN	2719
MICROWAVE AUDITORY	EFFECT--A COMPARISON OF SOME POSSIBLE TRANSDUCTION MECHANISMS	0839
O ELECTRICAL FIELDS HAVE BIOLOGICAL	EFFECT ? (IN DUTCH)	2582
ANESTHESIA AS AN	EFFECTIVE AGENT AGAINST THE PRODUCTION OF CONGENITAL ANOMALIES IN	1615
CT 915-MHZ MICROWAVE APPLICATOR FOR	EFFECTIVE DEEP-TISSUE HEATING IN HUMANS	0049
S BETWEEN MEASURED AND BIOLOGICALLY	EFFECTIVE MICROWAVE DIATHERMY DOSAGE	3368
HERAPY: STRAY RADIATION, SAFETY AND	EFFECTIVE- NESS	0427
EMC DESIGN	EFFECTIVENESS IN ELECTRONIC MEDICAL PROSTHETIC DEVICES	0642
THE INCREASED	EFFECTIVENESS OF CANCER CHEMOTHERAPEUTIC AGENTS WHEN COMBINED WITH	2325
PT FOR THE ESTIMATION OF BIOLOGICAL	EFFECTIVENESS OF HYPERTHERMIC TREATMENT OF TISSUE	0247
FACTORS INFLUENCING	EFFECTIVENESS OF RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED-GRAIN	0983
INFLUENCE OF THE AGE OF MICE ON THE	EFFECTIVENESS OF STIMULATION OF THE IMMUNE SYSTEM OF MICE BY ELECT	3424
VIA ELECTRICAL STIMULI: COMPARATIVE	EFFECTIVENESS OF VARIOUS PARAMETERS	2771
TY BY THE RESPONSE TO NON-RADIATION	EFFECTS	0007
EVALUATION OF MICROWAVE BIOLOGICAL	EFFECTS	0625
ETHOD OF DETERMINATION OF MICROWAVE	EFFECTS	1138
EXPERIMENTAL MICROWAVE OCULAR	EFFECTS	1258
S IN TISSUE AND ASSOCIATED BIOLOGIC	EFFECTS	1261
MICROWAVE STUDY SHOWS NO BEHAVIORAL	EFFECTS	1287
MICROWAVES AS RELATED TO BIOLOGICAL	EFFECTS	1560
NSHIP TO AVERSIVE BRAIN STIMULATION	EFFECTS	1955
NON-INVASIVE STUDIES OF BIOLOGICAL	EFFECTS	2409
FLUENCE OF WAVELENGTH ON BIOLOGICAL	EFFECTS	2508
UANTITATION OF MICROWAVE BIOLOGICAL	EFFECTS	2665
AND WITHOUT GROUNDING AND REFLECTOR	EFFECTS	2733
AR ACTIVITY AND RELATED GEOPHYSICAL	EFFECTS	3008
SMISSION LINES: PART-I: HAZARDS AND	EFFECTS	3009
PERFREQUENCEIS AND THEIR BIOLOGICAL	EFFECTS	3429
TIC, RADIOFREQUENCY AND OTHER FIELD	EFFECTS	3506
TION IN MAN WITH AND WITHOUT GROUND	EFFECTS	3618
INICAL SURVEYS FOR MICROWAVE OCULAR	EFFECTS (DHEW-FDA 73-8031)	2967
A REVIEW OF SELECTED BIOLOGICAL	EFFECTS AND DOSIMETRIC DATA USEFUL FOR DEVELOPMENT OF RADIOFREQUEN	0439
BIOLOGICAL	EFFECTS AND EXPOSURE STANDARDS FOR NON-IONIZING EM ENERGIES	1658
BIOLOGICAL	EFFECTS AND HAZARDS OF MICROWAVE RADIATION	2616
INTERNATIONAL SYMPOSIUM ON BIOLOGIC	EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADIATION--WARSAW, POLAND,	1688
INTERNATIONAL SYMPOSIUM ON BIOLOGIC	EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADIATION	3069

SYMPOSIUM ON BIOLOGICAL	EFFECTS AND HEALTH IMPLICATIONS OF MICROWAVE RADIATION, RICHMOND,	0722
ETIC FIELDS: CENTRAL-NERVOUS-SYSTEM	EFFECTS AS MEASURED BY REACTION TIME	1752
CENTRAL-NERVOUS-SYSTEM	EFFECTS AS MEASURED BY REACTION TIME IN SQUIRREL MONKEYS EXPOSED F	1297
EVALUATION OF ENVIRONMENTAL HEALTH	EFFECTS ASSOCIATED WITH HIGH VOLTAGE TRANSMISSION LINES	3168
OF SINGLE-EXPOSURE MICROWAVE OCULAR	EFFECTS AT 3000 MHZ	1065
D FACTORS THAT INFLUENCE BIOLOGICAL	EFFECTS AT VARIOUS POWER DENSITIES	2137
BIOLOGICAL	EFFECTS BY MICROWAVES	2377
SIGNIFICANCE OF MICROTHERMAL	EFFECTS DERIVED FROM LOW LEVEL UHF-MICROWAVE IRRADIATION OF THE HE	0524
THERE BIOLOGICAL AND PSYCHOLOGICAL	EFFECTS DUE TO EXTRA HIGH VOLTAGE INSTALLATIONS	1217
THRESHOLDS FOR PHYSIOLOGICAL	EFFECTS DUE TO RF AND MAGNETIC FIELDS USED IN NMR IMAGING	0135
DESIGNS IN THE STUDY OF BIOLOGICAL	EFFECTS DURING RADIO FREQUENCY TRANSMISSION	2940
ERIMENTAL STUDIES ON THE BIOLOGICAL	EFFECTS EVOKED BY COMBINED EXPOSURE TO MICROWAVES AND HIGH AIR TEM	1455
TWO MICROWAVE BIOLOGICAL	EFFECTS EXPERIMENTS: HEART RATE AND MYOTATIC REFLEX OF FROGS	1607
REGULATING POSSIBLE HEALTH	EFFECTS FROM AC TRANSMISSION LINE ELECTROMAGNETIC FIELDS	0375
CY IN PRODUCING SPECIFIC BIOLOGICAL	EFFECTS FROM MICROWAVES (IN FRENCH)	2632
EVIDENCE FOR COLLECTIVE MAGNETIC	EFFECTS IN AN ENZYME LIKELIHOOD OF ROOM TEMPERATURE SUPERCONDUCTIV	1737
HE STUDY OF GEOMAGNETIC DIRECTIONAL	EFFECTS IN ANIMALS AND MAN	1023
SIS OF MICROWAVE-GENERATED AUDITORY	EFFECTS IN ANIMALS AND MAN	2149
ON THE MECHANISM OF MAGNETIC FIELD	EFFECTS IN BACTERIAL PHOTOSYNTHESIS	0151
ELECTRIC FIELD	EFFECTS IN BACTERIORHODOPSIN	2450
NONIONIZING ELECTROMAGNETIC WAVE	EFFECTS IN BIOLOGICAL MATERIALS AND SYSTEMS	3215
ELECTRICAL	EFFECTS IN BONE	0645
QUANTITATIVE RADIATION	EFFECTS IN HEMOPROTEINS AND THEIR CONSTITUENTS	3202
APPLICATION OF NONTHERMAL	EFFECTS IN HIGH DIELECTRIC MATERIALS TO MICROWAVE DOSIMETRY	1747
MICROWAVE LENS	EFFECTS IN HUMANS	1000
MICROWAVE LENS	EFFECTS IN HUMANS, PART II: RESULTS OF FIVE-YEAR SURVEY	0925
ABSENCE OF HEART-RATE	EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MIC	1804
ABSENCE OF HEART-RATE	EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MIC	3390
RATE	EFFECTS IN ISOLATED HEARTS INDUCED BY MICROWAVE IRRADIATION	0526
RATE	EFFECTS IN ISOLATED TURTLE HEARTS INDUCED BY MICROWAVE IRRADIATION	1029
MICROWAVE-INDUCED ACOUSTIC	EFFECTS IN MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERIALS	1072
ANCER THERAPY, PART I: HYPERTHERMIC	EFFECTS IN MAN AND SPONTANEOUS ANIMAL TUMORS	2063
HEMATOLOGIC	EFFECTS IN MICE EXPOSED TO PULSED AND CW MICROWAVES	0206
EM FIELD	EFFECTS IN NERVE TISSUE	1380
BIOMAGNETIC STRESSOR	EFFECTS IN PRIMATES	2108
ABSENCE OF HEART-RATE	EFFECTS IN RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATION	0695
INDUCTION OF TERATOGENIC	EFFECTS IN RATS BY 27.12 MHZ RF RADIATION	2898
CUMULATIVE	EFFECTS IN RESPONSE TO MICROWAVE IRRADIATION	0059
CUMULATIVE	EFFECTS IN RESPONSE TO MICROWAVE IRRADIATION	2918
BIOLOGICAL	EFFECTS IN RODENTS EXPOSED TO 10 TO THE EIGHTH POWER PULSES OF EMR	2469
BIOLOGICAL	EFFECTS IN RODENTS EXPOSED TO PULSED EMR	0736
	EFFECTS IN RODENTS OF A 1-MONTH EXPOSURE TO MAGNETIC FIELDS (200-1	1109
ELECTRIC FIELD	EFFECTS IN SELECTED BIOLOGIC SYSTEMS	1053
PLASMA	EFFECTS IN SEMICONDUCTORS AND BIOLOGICAL EFFECT OF RADIOWAVES	0478
E INTERDEPENDENCE OF THERMAL AND EM	EFFECTS IN THE RESPONSE OF BACILLUS SUBTILIS SPORES TO MICROWAVE E	2407
THRESHOLD	EFFECTS OBSERVED IN CONFORMATION CHANGES INDUCED BY ELECTRIC FIELD	0690
THE	EFFECTS OF 19 MEGACYCLE IRRADIATION ON MICE AND RATS	2181
PROCEDURE FOR EVALUATING THE	EFFECTS OF 2,450-MEGAHERTZ MICROWAVES UPON STREPTOCOCCUS FAECALIS	1920
THE IN VIVO	EFFECTS OF 2.45 GHZ MICROWAVE RADIATION ON RABBIT SERUM COMPONENTS	0634
LONG-TERM	EFFECTS OF 2.45-GHZ RADIATION ON THE ULTRASTRUCTURE OF THE CEREBRA	2766
	EFFECTS OF 2.6-4.0 GHZ MICROWAVE RADIATION ON E-COLI B	2797
THERMAL AND ATHERMAL	EFFECTS OF 2.8 GHZ MICROWAVES ON THREE HUMAN SERUM ENZYMES	1815
THERMAL	EFFECTS OF 200 MEGACYCLE(CW) IRRADIATION AS RELATED TO SHAPE, LOCA	3316
STUDIES ON THE BIOLOGICAL	EFFECTS OF 200 MEGACYCLES	1469
BUFFALO--STUDIES ON THE BIOLOGICAL	EFFECTS OF 200 MEGACYCLES	1576
	EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON CULTIVATED RAT KANGAROO	1537
	EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON HUMAN BLOOD COAGULATION	0676
	EFFECTS OF 2450 MHZ MICROWAVES ON MOUSE TESTICULAR CYTOLOGY	2894
	EFFECTS OF 2450 MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOS	2507
HERMAL, NON-THERMAL AND THERAPEUTIC	EFFECTS OF 2450 MHZ RADIATION ON MAMMALIAN CELLS	2342
LONGEVITY STUDY OF THE	EFFECTS OF 3-CM MICROWAVE RADIATION ON MICE	0737
LETHAL	EFFECTS OF 3000 MHZ RADIATION ON THE RAT	1866
OCULAR	EFFECTS OF 35 AND 107 GHZ CW MICROWAVES	2440
	EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE	2155
	EFFECTS OF 45 HZ ELECTRIC FIELD EXPOSURE ON RATS	2183

SEARCH FOR	EFFECTS OF 45 HZ MAGNETIC FIELDS ON LIVER TRIGLYCERIDES IN MICE	0927
AN EVALUATION OF POSSIBLE	EFFECTS OF 45 HZT, 60 HZ AND 75 HZ ELECTRIC FIELDS ON NEUROPHYSIOL	1373
	EFFECTS OF 50 HZ ALTERNATING FIELDS ON HUMANS	1177
	EFFECTS OF 60 HZ ENVIRONMENTAL ELECTRIC FIELDS ON THE MAMMALIAN CE	0211
	EFFECTS OF 8.6 GHZ PULSED EMR ON AN ESCHERICHIA COLI REPAIR-DEFICI	0227
	EFFECTS OF 800-MHZ EMR ON BODY WEIGHT, ACTIVITY, HEMATOPOIESIS AND	2037
	EFFECTS OF A 60-HZ MAGNETIC FIELD ON ACTIVITY LEVELS OF MICE	2765
	EFFECTS OF A COMBINATION OF MAGNETIC AND ELECTROMAGNETIC FIELDS ON	3006
THE	EFFECTS OF A COMBINATION OF MICROWAVES AND X-RAYS ON THE PERMEABIL	1489
THE	EFFECTS OF A FIELD FREE SPACE ON THE CIRCADIAN ACTIVITY RHYTHM OF	2163
	EFFECTS OF A HIGH FREQUENCY ELECTRIC FIELD ON ESCHERICHIA COLI	3470
THE LETHAL	EFFECTS OF A HIGH-TENSION ELECTRIC FIELD ON THE SECRETION OF ANTID	1182
	EFFECTS OF A MODULATED EM FIELD	2601
HYPNOGENIC	EFFECTS OF A PROPOSED +400 KV DC HIGH VOLTAGE TRANSMISSION LINE AN	3167
LUATION OF ELECTRICAL ENVIRONMENTAL	EFFECTS OF A PULSED MICROWAVE FIELD	1274
PHARMACOLOGIC	EFFECTS OF AC FIELDS ON PARTICLES DISPERSED IN A LIQUID: BIOLOGICA	3054
MECHANICAL	EFFECTS OF ACUTE & CHRONIC IRRADIATIONS	0095
RGY ON THE EEG OF MAMMALIAN BRAINS :	EFFECTS OF ALTERNATING MAGNETIC FIELD (12 GAUSS) ON TRANSPLANTED N	1797
	EFFECTS OF AMPHETAMINE AND NOREPINEPHRINE ASSESSED THROUGH THE USE	2517
CYCLIC AMP IN BRAIN AREAS:	EFFECTS OF AN ELECTRIC FIELD ON RATS AND RABBITS	1592
BIOLOGICAL	EFFECTS OF AN ELECTRIC FIELD ON SOLUBLE COLLAGEN	0915
THE	EFFECTS OF AN ELECTRIC FIELD: WHAT CAN AN ELECTRICIAN SAY ON THIS	1584
BIOLOGICAL	EFFECTS OF APPLIED CURRENTS ON TURTLE CONES IN DARKNESS AND DURING	2640
	EFFECTS OF BODY CORE HYPOTHERMIA ON BLOOD FLOW IN TUMORS HEATED WI	2530
THE	EFFECTS OF CEREBRAL ELECTROTHERAPY CURRENTS	1676
PHYSIOLOGIC	EFFECTS OF CERTAIN ELF EM FIELDS	0991
A STUDY OF THE BIOLOGICAL	EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES	0414
PHYSIOLOGICAL AND BEHAVIORAL	EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION IN RATS	2165
PHYSIOLOGICAL AND BEHAVIORAL	EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON RABBITS	1127
STUDY OF THE	EFFECTS OF CHRONIC MICROWAVE IRRADIATION ON MICE	2294
	EFFECTS OF CHRONIC MICROWAVE IRRADIATION ON MICE	2896
	EFFECTS OF CHRONIC MICROWAVE RADIATION	2288
PERFORMANCE	EFFECTS OF CM-WAVES AND DM-WAVES	3476
BIOLOGICAL	EFFECTS OF COMBINED EXPOSURE TO MICROWAVES AND SOFT X-RAYS ON IMMU	1453
THE	EFFECTS OF COMBINED EXPOSURE TO SHF EM FIELDS AND SOFT X-RAYS ON T	1452
THE	EFFECTS OF COMBINED SHF AND GAMMA IRRADIATION ON HEMOPOIESIS	1497
THE	EFFECTS OF CONTINUOUS AND ALTERNATING LOW-FREQUENCY MAGNETIC FIELD	0376
SURVEY OF	EFFECTS OF CONTINUOUS AND INTERMITTENT MICROWAVE RADIATION	1449
CERTAIN DATA ON THE BIOLOGICAL	EFFECTS OF CONTINUOUS AND INTERMITTENT MICROWAVE RADIATION ON WEIG	1446
THE	EFFECTS OF CONTINUOUS AND PERIODIC MICROWAVE IRRADIATION IN ACUTE	1363
BIOLOGICAL	EFFECTS OF CONTINUOUS AND PERIODIC MICROWAVE IRRADIATION IN CHRONI	1364
BIOLOGICAL	EFFECTS OF CONTINUOUS AND PULSATING ELECTRIC FIELDS ON BRAIN WAVE	1010
SOME	EFFECTS OF DECIMETRIC WAVES ON THE EXCHANGE OF CATECHOLAMINES IN T	2846
THE	EFFECTS OF DEEP HYPERTHERMIA AND MICRO- WAVE REWARMING: POSSIBLE A	0203
PHYSIOLOGIC	EFFECTS OF DESTRUCTION AND REGENERATION OF THE RAT ORGANISM UNDER	0195
	EFFECTS OF DIATHERMY ON THE FLOW OF BLOOD IN THE EXTREMITIES	0656
THE	EFFECTS OF DIFFERENT MICROWAVE RANGES IN PULSE-CODE MODULATION AND	1365
A COMPARISON OF THE	EFFECTS OF ECT IN ENDOGENOUS DEPRESSION	1652
DIENCEPHALIC STIMULATION AND THE	EFFECTS OF ELECTRIC AND MAGNETIC FIELDS	1664
CRITICAL REVIEW OF THE BIOLOGICAL	EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH ELF COMMUN	0394
BIOLOGICAL	EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH PROPOSED P	2457
BIOLOGIC	EFFECTS OF ELECTRIC AND MAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY	1685
BIOLOGICAL	EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON INSECTS IN MOTION	1674
TATION TECHNIQUES FOR MEASURING THE	EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON LIVING ORGANISMS AND IN	1585
	EFFECTS OF ELECTRIC CURRENT ON MAN	3277
	EFFECTS OF ELECTRIC CURRENTS ON THE HUMAN ORGANISM (IN ITALIAN)	2626
DELETERIOUS	EFFECTS OF ELECTRIC CURRENTS: ELECTRICAL STIMULATION AND THERAPY	1682
WORKSHOP ON BIOLOGICAL	EFFECTS OF ELECTRIC FIELDS	1588
BIOLOGICAL	EFFECTS OF ELECTRIC FIELDS	3157
BIBLIOGRAPHY ON BIOLOGICAL	EFFECTS OF ELECTRIC FIELDS ON ELECTRIC POWER SYSTEMS	3156
STUDY IN THE USSR OF MEDICAL	EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS	0269
	EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY	0738
	EFFECTS OF ELECTRICAL FIELD STIMULATION ON ION TRANSPORT BY RABBIT	2525
	EFFECTS OF ELECTRICAL POWER INDUSTRY FIELDS ON MAN	1889
RESEARCH ON THE	EFFECTS OF ELECTRICAL POWER TRANSMISSION RIGHTS- OF-WAY ON SMALL M	0184
THE		

	EFFECTS OF ELECTRICAL STIMULATION OF VAGAI NUCLEI IN ANESTHETIZED	3405
	EFFECTS OF ELECTRICAL STIMULATION ON BONE GROWTH IN VITRO AND ON F	2330
LONG-TERM	EFFECTS OF ELECTROCONVULSIVE SHOCK THERAPY ON SYNTHESIS TURNOVER A	1893
	EFFECTS OF ELECTRODE PLACEMENT ON STIMULATION OF ADULT FROG LIMB R	2239
BEHAVIORAL	EFFECTS OF ELECTROMAGNETIC ENERGY	2658
FEDERAL PROGRAM ON BIOLOGICAL	EFFECTS OF ELECTROMAGNETIC ENERGY	3002
DISTINCTIONS REFERABLE TO THE	EFFECTS OF ELECTROMAGNETIC ENERGY IN THE SUPERHIGH-FREQUENCY RANGE	0061
	EFFECTS OF ELECTROMAGNETIC ENERGY ON MAN	2977
BIOLOGICAL	EFFECTS OF ELECTROMAGNETIC FIELDS	2542
IENTISTS ENGAGED IN RESEARCH ON THE	EFFECTS OF ELECTROMAGNETIC FIELDS	3577
BIOLOGIC	EFFECTS OF ELECTROMAGNETIC FIELDS (IN GERMAN)	0320
ELECTROPHYSIOLOGICAL	EFFECTS OF ELECTROMAGNETIC FIELDS ON ANIMALS	3610
	EFFECTS OF ELECTROMAGNETIC PULSE (EMP) ON A POWER SYSTEM	3074
THE	EFFECTS OF ELECTROMAGNETIC PULSE (EMP) ON STATE AND LOCAL RADIO CO	3073
BIOLOGICAL	EFFECTS OF ELECTROMAGNETIC RADIATION A BIBLIOGRAPHY	2964
RAL, ETHOLOGICAL, AND TERATOLOGICAL	EFFECTS OF ELECTROMAGNETIC RADIATION ON AN AVIAN SPECIES	0140
	EFFECTS OF ELECTROMAGNETIC RADIATION ON BIOLOGICAL SYSTEMS	2569
ENT RESEARCH TRENDS ON THE BIOLOGIC	EFFECTS OF ELECTROMAGNETIC WAVES. (IN LZE)	0334
RIBUTIONS TO RESEARCH ON BIOLOGICAL	EFFECTS OF ELECTROMAGNETIC WAVES: PAST PERFORMANCES AND FUTURE CHA	0080
STIGATOR'S CONFERENCE ON BIOLOGICAL	EFFECTS OF ELECTRONIC RADIATING EQUIPMENTS	3453
THE	EFFECTS OF ELECTROSLEEP ON INSOMNIA REVISITED	1307
OPERANT METHODS ASSESSING THE	EFFECTS OF ELF EM FIELDS	1714
LIMITING CONDITIONS FOR	EFFECTS OF ELF ON FREE FLYING MIGRANT BIRDS	0202
DETERMINATION OF THE	EFFECTS OF EM ENERGIES ON THE HEMATOLOGIC SYSTEM	2614
	EFFECTS OF EM ENERGY OF INDUSTRIAL FREQUENCY ON THE HUMAN AND ANIM	2711
	EFFECTS OF EM ENERGY ON THE ENVIRONMENT--A SUMMARY REPT	0815
	EFFECTS OF EM FIELDS BELOW 30 MHZ ON ANIMAL BIOLOGY	1394
PHYSIOLOGICAL	EFFECTS OF EM FIELDS IN THE ELF REGION, PART II. A REVIEW	1184
DIFFERENTIAL	EFFECTS OF EM FIELDS IN THE TREATMENT OF NEUROSES AND DEPRESSION	1232
ELECTROPHYSIOLOGICAL	EFFECTS OF EM FIELDS ON ANIMALS	0875
	EFFECTS OF EM FIELDS ON FECUNDITY IN THE CHICKEN	1089
	EFFECTS OF EM FIELDS ON MICROSOMAL ATPASE AND MITOCHONDRIAL OXIDAT	1080
LONG TERM	EFFECTS OF EM FIELDS ON PHYSARUM POLCEPHALUM	2473
THE	EFFECTS OF EM FIELDS ON THE NERVOUS SYSTEM	1582
	EFFECTS OF EM INTERFERENCE (2450 MHZ) ON CARDIAC PACEMAKERS	1285
	EFFECTS OF EM WAVES OF THE MILLIMETRIC RANGE ON THE ENERGY METABOL	2811
	EFFECTS OF EM WAVES ON PRODUCTION OF PROTEASES WITH FIBRINOLYTIC A	2828
OVERVIEW OF THE BIOLOGICAL	EFFECTS OF EMR	0588
HYPERTHERMIC AND PATHOLOGIC	EFFECTS OF EMR (350 MC)	1855
BIOLOGICAL	EFFECTS OF EMR (RADIOWAVES AND MICROWAVES)-- EURASIAN COMMUNIST CO	2579
	EFFECTS OF EMR OF MILLIMETRIC WAVELENGTH ON BACTERIAL GROWTH	1650
	EFFECTS OF EMR OF THE ORDER OF CENTIMETER AND METER WAVES ON HUMAN	0939
CYTOTOXIC	EFFECTS OF EMR ON CHINESE HAMSTER CELLS IN CULTURE	1134
	EFFECTS OF EMR ON IMPLANTATION AND INTRAUTERINE DEVELOPMENT OF THE	1087
	EFFECTS OF EMR ON PHYSIOLOGIC RESPONSES	0533
SOME	EFFECTS OF EMR ON THE BRAIN AND SPINAL CORD OF CATS	1059
INTRODUCTION:	EFFECTS OF EMR ON THE NERVOUS SYSTEM	1056
POSSIBLE	EFFECTS OF EMR'S	0602
THE CANCER CELL DEMONSTRATED BY THE	EFFECTS OF EMR, GLUCOSE AND OXYGEN	0079
BIOLOGICAL	EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICAT	1414
BIOLOGICAL	EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICAT	1415
BIOLOGICAL	EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICAT	1416
BIOLOGICAL	EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICAT	1417
BIOLOGICAL	EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICAT	1418
BIOLOGICAL	EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICAT	1419
NON-AUDITORY	EFFECTS OF ENVIRONMENTAL NOISE	2970
	EFFECTS OF ENVIRONMENTAL TEMPERATURE AND AIR VOLUME EXCHANGE ON SU	0469
THE	EFFECTS OF EPHEDRINE AND NIKETHAMIDE ON MICROWAVE- EXPOSED MICE	1490
	EFFECTS OF EXPERIMENTAL TOXIC HEPATITIS AND MICROWAVES ON THE FUNC	1503
SOME	EFFECTS OF EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45-GHZ MICRO	1088
BIOMEDICAL	EFFECTS OF EXPOSURE TO EMR, PART II: BIOMEDICAL EFFECTS ON THE EYE	1215
IN THE EVALUATION OF THE BIOLOGICAL	EFFECTS OF EXPOSURE TO MICROWAVE RADIATION	2500
IN THE EVALUATION OF THE BIOLOGICAL	EFFECTS OF EXPOSURE TO MICROWAVE RADIATION	3389
BIOLOGIC AND PATHOPHYSIOLOGIC	EFFECTS OF EXPOSURE TO MICROWAVES	0112
BIOLOGIC AND PATHOPHYSIOLOGIC	EFFECTS OF EXPOSURE TO MICROWAVES OR ULTRASONIC ENERGY--AN OVERVIE	1596

	EFFECTS OF EXPOSURE TO MICROWAVES: PROBLEMS AND PERSPECTIVES	1299
	EFFECTS OF EXPOSURE TO PULSED MICROWAVES (RADAR) ON CENTRAL NERVOU	0637
	EFFECTS OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON	0863
	EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS ON PHYSA	3147
A RADAR INVESTIGATION OF THE	EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON FREE FLYING MIGRAN	1756
	EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERE	1030
	EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERE	1753
PSYCHOPHYSIOLOGICAL	EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS: A REVIEW	0935
BIOLOGICAL	EFFECTS OF FIELDS OF THE SIEGE ARRAY	2083
THE	EFFECTS OF FM AND TV BROADCAST STATIONS UPON CARDIAC PACEMAKERS	1654
	EFFECTS OF FUSIMOTOR STIMULATION ON THE SENSITIVITY OF THE MUSCLE	2641
BIOLOGICAL	EFFECTS OF GASEOUS IONS (IN FRENCH)	2630
RETROGRADE AMNESIA:	EFFECTS OF HANDLING AND MICROWAVE RADIATION	1201
	EFFECTS OF HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKIN	0015
SOME	EFFECTS OF HIGH ELECTRICAL FIELDS ON BARLEY GROWTH	1978
THE	EFFECTS OF HIGH POWER PULSED AND LOW LEVEL CW MICROWAVE RADIATION	1310
BIOLOGICAL	EFFECTS OF HIGH STRENGTH ELECTRIC FIELDS ON SMALL LABORATORY ANIMA	0431
CARRIED OUT IN ITALY BY ENEL ON THE	EFFECTS OF HIGH VOLTAGE ELECTRIC FIELDS	1589
BIOLOGICAL	EFFECTS OF HIGH VOLTAGE ELECTRIC FIELDS: BIBLIOGRAPHY AND SURVEY O	2252
VIRONMENTAL AND HEALTH RELATED SIDE	EFFECTS OF HIGH VOLTAGE POWER TRANSMISSION	3111
THE	EFFECTS OF HIGH VOLTAGE TRANSMISSION LINES ON HONEYBEES: A FEASIBI	2545
	EFFECTS OF HIGH-FREQUENCY ELECTRIC FIELDS ON THE LIVING CELL. I. B	1692
BIOLOGICAL	EFFECTS OF HIGH-INTENSITY 60-HZ ELECTRIC FIELDS ON THE GROWTH AND	2791
STUDY OF THE BIOLOGICAL	EFFECTS OF HYPERFREQUENCY RADIATION OF LOW POWER DENSITIES (IN FRE	2631
NORMAL TISSUE & SOLID TUMOR	EFFECTS OF HYPERTHERMIA IN ANIMAL MODELS AND CLINICAL TRIALS	0190
THE	EFFECTS OF HYPERTHERMIA ON PREGNANCY AND PRENATAL DEVELOPMENT	2929
	EFFECTS OF HYPOPHYSECTOMY AND DEXAMETHASONE ON RAT ADRENAL RESPONS	0430
EXPERIMENTAL STUDY OF	EFFECTS OF INDUSTRIAL FREQUENCY EM FIELDS ON REPRODUCTIVE FUNCTION	2580
THE	EFFECTS OF INJURY AND RESTORATION OF THE ORGANISM OF RATS UNDER MI	0440
	EFFECTS OF INTENSE MICROWAVE RADIATION ON LIVING ORGANISMS	0460
THE	EFFECTS OF INTERMITTENT AND CONTINUOUS IRRADIATION ON CHANGES IN T	1450
THE	EFFECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL	1447
THE	EFFECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL	1448
	EFFECTS OF INTERSITIAL IRRADIATION ALONE, OR COMBINATION WITH LOCA	3423
	EFFECTS OF IODOACETAMIDE, X-RAYS, AND MAGNETIC FIELDS ON LYMPHOMA	2332
HEALTH	EFFECTS OF IONIZING AND NON-IONIZING RADIATION: REPORT ON A WORKIN	3560
HEALTH	EFFECTS OF IONIZING AND NONIONIZING RADIATION	3090
THE	EFFECTS OF IONIZING RADIATION IN COMBINATION WITH MICROWAVES ON T/I	1501
	EFFECTS OF LOCAL TUMOR HYPERTHERMIA ON THE GROWTH OF SOLID MOUSE T	0333
THE	EFFECTS OF LOCALIZED MICROWAVE EXPOSURE ON THE DOG THYROID	1606
STUDY OF	EFFECTS OF LONG-TERM LOW-LEVEL RF EXPOSURE ON RATS: A PLAN	0400
STUDIES ON THE HEMATOLOGIC	EFFECTS OF LONG-TERM, LOW-DOSE MICROWAVE EXPOSURE	2398
EASUREMENTS AND MODELS, PART I (THE	EFFECTS OF LOW FREQUENCY ELECTRIC FIELDS ON AMOEBAE AND THEIR USES	0636
	EFFECTS OF LOW FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIM	0864
	EFFECTS OF LOW FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIM	3276
THE	EFFECTS OF LOW FREQUENCY EM FIELD PULSES ON SKELETAL MUSCLE METABO	2048
	EFFECTS OF LOW INTENSITY MICROWAVE RADIATION ON MAMMALIAN SERUM PR	0922
	EFFECTS OF LOW INTENSITY MICROWAVES ON PERFORMANCE	0506
EM FOR INVESTIGATING THE BIOLOGICAL	EFFECTS OF LOW INTENSITY PULSED MICROWAVE RADIATION	0790
BEHAVIORAL	EFFECTS OF LOW INTENSITY UHF RADIATION	1542
SOME	EFFECTS OF LOW LEVEL MAGNETIC FIELDS ON GROWTH, DEVELOPMENT, AND B	0099
ORMATION RELEVANT TO THE BEHAVIORAL	EFFECTS OF LOW LEVEL MICROWAVE EXPOSURE	2576
BEHAVIORAL	EFFECTS OF LOW LEVEL MICROWAVE IRRADIATION IN THE CLOSED-SPACE SIT	1541
	EFFECTS OF LOW LEVEL MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT	0370
NEURONAL	EFFECTS OF LOW LEVEL MICROWAVES	1857
	EFFECTS OF LOW LEVEL, LOW FREQUENCY ELECTRIC FIELDS ON HUMAN REACT	1032
IMMUNOLOGICAL	EFFECTS OF LOW MICROWAVE EXPOSURE	0435
THE	EFFECTS OF LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPER	0220
	EFFECTS OF LOW-INTENSITY MICROWAVE IRRADIATION ON THYROID AND ADRE	3214
	EFFECTS OF LOW-INTENSITY MICROWAVES ON ISOLATED NEURONS	1058
SOME	EFFECTS OF LOW-LEVEL DOSAGES OF MICROWAVES ON ISOLATED NERVE ACTIV	2413
	EFFECTS OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF	2277
TRANSIENT	EFFECTS OF LOW-LEVEL MICROWAVE IRRADIATION ON BIOELECTRIC MUSCLE C	0874
	EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON BEHAVIORAL BASELINES	1094
	EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON GERMINATION AND GROWTH	2692

PRELIMINARY INVESTIGATIONS OF THE	EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTI	1093
	EFFECTS OF LOW-LEVEL, LOW-FREQUENCY FIELDS ON HUMAN CIRCADIAN RHYT	2420
PSYCHOLOGICAL	EFFECTS OF MAGNETIC AND ELECTRIC FIELDS	1666
	EFFECTS OF MAGNETIC FIELD ON INFLAMMATION	1932
A SEARCH FOR BIOLOGICAL	EFFECTS OF MAGNETIC FIELDS	1903
BIOLOGIC	EFFECTS OF MAGNETIC FIELDS. (IN CZE)	0326
	EFFECTS OF MAGNETISM ON THROMBOCYTE COAGULATION	0272
CURRENT STUDIES ON THE	EFFECTS OF MHZ-2450 RADIATION ON VARIOUS BIOLOGICAL SYSTEMS	2939
THE BIOLOGICAL	EFFECTS OF MICROWAVE	3194
THE	EFFECTS OF MICROWAVE (2450) MHZ ON ISOLATED RAT LIVER MITOCHONDRIA	3554
NEEDS IN RESEARCH ON THE BIOLOGICAL	EFFECTS OF MICROWAVE AND R. F. RADIATION	1551
	EFFECTS OF MICROWAVE AND RADIO FREQUENCY ENERGY ON THE CENTRAL NER	1538
IN THE EVALUATION OF THE BIOLOGICAL	EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION	0679
BIOLOGICAL	EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION	2368
BIOLOGICAL	EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION IN CRITICAL REVI	3210
BIOLOGICAL	EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION	3206
THE	EFFECTS OF MICROWAVE DIATHERMY ON THE EYE OF THE RABBIT	3367
THE	EFFECTS OF MICROWAVE DIATHERMY ON THE EYE	3366
COMBINED	EFFECTS OF MICROWAVE EMR AND OTHER FACTORS ON THE ORGANISM	2259
SOME BIOLOGICAL	EFFECTS OF MICROWAVE ENERGY	0992
BIOLOGICAL	EFFECTS OF MICROWAVE ENERGY AT 200 MC	3602
BIOLOGIC	EFFECTS OF MICROWAVE EXPOSURE	0829
BIOLOGICAL	EFFECTS OF MICROWAVE EXPOSURE	1525
NDOCRINE AND CENTRAL NERVOUS SYSTEM	EFFECTS OF MICROWAVE EXPOSURE	1600
	EFFECTS OF MICROWAVE EXPOSURE ON BEHAVIOR AND RELATED PHENOMENA	0733
THE	EFFECTS OF MICROWAVE EXPOSURE ON THYMIDINE UPTAKE IN ALBINO RATS	0719
	EFFECTS OF MICROWAVE EXPOSURES ON THE CENTRAL NERVOUS SYSTEM OF BE	2510
ANNUAL REPT., 1959: THE NEURAL	EFFECTS OF MICROWAVE IRRADIATION	0610
.--INVESTIGATIONS OF THE BIOLOGICAL	EFFECTS OF MICROWAVE IRRADIATION	1577
THE U. OF ROCHESTER--THE BIOLOGICAL	EFFECTS OF MICROWAVE IRRADIATION IN THE DOG	1575
SOME BIOLOGICAL	EFFECTS OF MICROWAVE IRRADIATION IN THE RAT	0496
	EFFECTS OF MICROWAVE IRRADIATION IN VITRO ON CELL MEMBRANE PERMEAB	1256
A STUDY OF THE	EFFECTS OF MICROWAVE IRRADIATION OF THE RAT TESTES	2185
	EFFECTS OF MICROWAVE IRRADIATION ON EMBRYONIC BRAIN TISSUE	0905
	EFFECTS OF MICROWAVE IRRADIATION ON EMBRYONIC BRAIN TISSUE	2863
	EFFECTS OF MICROWAVE IRRADIATION ON ENZYMES AND METABOLITES IN MOU	2466
IGATION OF THE THERMAL AND ATHERMAL	EFFECTS OF MICROWAVE IRRADIATION ON ERYTHROCYTES	0183
STUDIES CONCERNED WITH BIOLOGICAL	EFFECTS OF MICROWAVE IRRADIATIONS OF DIFFERENT FREQUENCIES	2520
	EFFECTS OF MICROWAVE ON THE CHICK EMBRYO	1467
8, INVESTIGATIONS OF THE BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	0543
BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	0576
CELLULAR AND LONGEVITY	EFFECTS OF MICROWAVE RADIATION	0577
G EVIDENCE OF NONTHERMAL BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	0578
BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	0708
GENERAL	EFFECTS OF MICROWAVE RADIATION	0894
NEURAL	EFFECTS OF MICROWAVE RADIATION	1465
CELLULAR	EFFECTS OF MICROWAVE RADIATION	1536
ANALYSIS OF REPORTED PHYSIOLOGIC	EFFECTS OF MICROWAVE RADIATION	1985
BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	2139
G EVIDENCE OF NONTHERMAL BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	2387
OCULAR	EFFECTS OF MICROWAVE RADIATION	2570
OCULAR	EFFECTS OF MICROWAVE RADIATION	2571
MILITARY ASPECTS OF THE BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	3458
BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION (IN POLISH)	2354
A COMPARATIVE STUDY OF THE	EFFECTS OF MICROWAVE RADIATION AND CONVENTIONAL HEATING ON THE REP	2925
SELECTED BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION AND IDENTIFICATION OF POTENTIALLY S	3557
BEHAVIORAL AND THERMAL	EFFECTS OF MICROWAVE RADIATION AT RESONANT AND NONRESONANT WAVELEN	2761
	EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL	0896
DISCUSSION:	EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL	3268
NERVOUS AND BEHAVIORAL	EFFECTS OF MICROWAVE RADIATION IN HUMANS	0568
NERVOUS AND BEHAVIORAL	EFFECTS OF MICROWAVE RADIATION IN HUMANS	3234
XPERIMENTAL STUDY OF THE BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION IN RELATION TO THE EYE	0732
BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION OF 24,000 MEGACYCLES	2136
	EFFECTS OF MICROWAVE RADIATION ON APLYSIAN GANGLION CELLS	2421
THE	EFFECTS OF MICROWAVE RADIATION ON BEHAVIOR AND TEMPERATURE IN RHES	2158

NON-THERMAL	EFFECTS OF MICROWAVE RADIATION ON BIRDS	0761
CYTOGENETIC	EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS	3056
	EFFECTS OF MICROWAVE RADIATION ON EGGS, EMBRYOS AND CHICKENS	2059
THRESHOLD	EFFECTS OF MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS	1090
	EFFECTS OF MICROWAVE RADIATION ON ENZYMES	1081
	EFFECTS OF MICROWAVE RADIATION ON ENZYMES	2390
THE	EFFECTS OF MICROWAVE RADIATION ON MICROTUBULES AND AXONAL TRANSPOR	2064
STEADY STATE	EFFECTS OF MICROWAVE RADIATION ON MOLECULES OF BIOLOGICAL IMPORTAN	2976
ITY PERTURBATION MEASUREMENT OF THE	EFFECTS OF MICROWAVE RADIATION ON PROTEINS	2295
THERMAL AND ATHERMAL	EFFECTS OF MICROWAVE RADIATION ON THE ACTIVITY OF GLUCOSE-6-PHOSPH	1982
HARMFUL	EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW	1279
	EFFECTS OF MICROWAVE RADIATION ON THE LENS EPITHELIUM IN THE RABBI	1044
BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION ON THE TESTES OF SWISS MICE	1268
	EFFECTS OF MICROWAVE RADIATION ON THE VISUAL ORGAN	2265
XPERIMENTAL STUDY OF THE BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION ON THE WHITE RAT AND MOUSE	1891
	EFFECTS OF MICROWAVE RADIATION ON TISSUE- A SURVEY OF BASIC MECHAN	3204
	EFFECTS OF MICROWAVE RADIATION ON TISSUE--A SURVEY OF BASIC MECHAN	0820
A PROGRAM TO STUDY THE	EFFECTS OF MICROWAVE RADIATION ON VARIOUS BIOLOGICAL SYSTEMS	0704
.L SUB-COMMITTEE ON THE BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION, 1ST REPT	1739
THE	EFFECTS OF MICROWAVE RADIATION, HYPERTHERMIA, AND L-ASCORBIC ACID	0044
BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION, WITH PARTICULAR REFERENCE TO THE E	2869
ERN EUROPEAN RESEARCH ON BIOLOGICAL	EFFECTS OF MICROWAVE RADIATION	0395
NONTHERMAL	EFFECTS OF MICROWAVE RADIATION	2905
NONTHERMAL	EFFECTS OF MICROWAVE RADIATION: EXPERIMENTS WITH ENZYMES	2293
NONTHERMAL	EFFECTS OF MICROWAVE RADIATION: EXPERIMENTS WITH LABORATORY ANIMA	2292
EVIDENCE FOR NONTHERMAL	EFFECTS OF MICROWAVE RADIATION: ABNORMAL DEVELOPMENT OF IRRADIATED	0456
STUDIES ON THE BIO-MEDICAL	EFFECTS OF MICROWAVE RADIATION: PAST, PRESENT AND FUTURE	2438
	EFFECTS OF MICROWAVE RADIATIONS ON HATCHABILITY AND GROWTH OF TURK	1974
UANTITATIVE HISTOLOGICAL STUDIES ON	EFFECTS OF MICROWAVE RADIATIONS ON TISSUES OF THE CENTRAL NERVOUS	2552
	EFFECTS OF MICROWAVE-INDUCED LOCAL HYPERTHERMIA ON MAMMARY ADENOCA	1238
CERTAIN PHYSIOLOGIC AND PATHOLOGIC	EFFECTS OF MICROWAVES	0494
ECHANISM FOR NON-THERMAL BIOLOGICAL	EFFECTS OF MICROWAVES	0665
NDUCTED IN THE USSR ON THE BIOLOGIC	EFFECTS OF MICROWAVES	1273
BIOLOGICAL	EFFECTS OF MICROWAVES	1387
XIS AND PROTECTION FROM THE HARMFUL	EFFECTS OF MICROWAVES	2268
BY LIVING ORGANISMS AND TERATOGENIC	EFFECTS OF MICROWAVES	2830
EMBRYOTROPIC	EFFECTS OF MICROWAVES	2872
DIES ON THE HEATING AND CIRCULATORY	EFFECTS OF MICROWAVES 'RADAR'	3373
BIOLOGICAL	EFFECTS OF MICROWAVES (A BIBLIOGRAPHY WITH ABSTRACTS)	2251
BIOLOGICAL	EFFECTS OF MICROWAVES (COMPILATION OF ABSTRACTS)	2284
ESULTS OF STUDIES OF THE LENTICULAR	EFFECTS OF MICROWAVES AMONG EXPOSED PERSONNEL	1924
ERNATIONAL SYMPOSIUM ON 'BIOLOGICAL	EFFECTS OF MICROWAVES AND HEALTH HAZARD'	1512
THE CHARACTERISTICS OF BIOLOGIC	EFFECTS OF MICROWAVES COMBINED WITH THE ACTION OF SOFT X-RAY IRRAD	1277
ON SPECTROSCOPY TO THE STUDY OF THE	EFFECTS OF MICROWAVES ON BIOLOGICAL MATERIALS	1472
THE	EFFECTS OF MICROWAVES ON BIRDS: PRELIMINARY EXPERIMENTS	0581
THE	EFFECTS OF MICROWAVES ON GREEN ALGAE	3235
	EFFECTS OF MICROWAVES ON HEMOGLOBIN	3123
THE	EFFECTS OF MICROWAVES ON HUMAN LYMPHOCYTE CULTURES	1259
THE	EFFECTS OF MICROWAVES ON HUMAN LYMPHOCYTE CULTURES	2317
THE OCCULAR	EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE	1068
CERTAIN PRINCIPLES GOVERNING THE	EFFECTS OF MICROWAVES ON K+ AND NA+ TRANSPORT IN HUMAN ERYTHROCYTE	1458
	EFFECTS OF MICROWAVES ON MANKIND	3299
F EXPERIMENTAL INVESTIGATION OF THE	EFFECTS OF MICROWAVES ON MICROORGANISMS AND ANIMALS	2300
	EFFECTS OF MICROWAVES ON NORMAL AND TUMOUR CELLS AS SEEN BY LASER-	1131
	EFFECTS OF MICROWAVES ON OPTICAL ACTIVITY	1534
	EFFECTS OF MICROWAVES ON THE CELL METABOLISM OF THE RETICULO-HISTO	1280
IMINARY RESULTS ON THE STUDY OF THE	EFFECTS OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM OF THE PRIMATE	3408
	EFFECTS OF MICROWAVES ON THE FUNCTION AND STRUCTURE OF HEPATIC AND	1511
BIOLOGICAL	EFFECTS OF MICROWAVES ON THE HYPOTHALAMIC/ PITUITARY/THYROID AXIS	1374
	EFFECTS OF MICROWAVES ON THE METABOLIC TIME CLOCKS OF NORMAL AND T	3264
INVESTIGATION OF THE BIOLOGICAL	EFFECTS OF MICROWAVES ON THE OCULAR TUSSUES OF ANIMALS	1362
BIOLOGICAL	EFFECTS OF MICROWAVES ON THE PUPAE OF TENEBRIO MOLITOR	2675
THE	EFFECTS OF MICROWAVES ON THE ROUS NO. 1 FOWL SARCOMA VIRUS	2503
	EFFECTS OF MICROWAVES ON THE TWENTY-FOUR-HOUR RHYTHM AND TWENTY-FO	1133
THE HEATING	EFFECTS OF MICROWAVES WITH AND WITHOUT ISCHEMIA	0666

SOVIET VIEWS ON THE BIOLOGICAL	EFFECTS OF MICROWAVES--AN ANALYSIS	0701
BILOLOGICAL	EFFECTS OF MICROWAVES: FUTURE RESEARCH DIRECTIONS	3548
BIOLOGICAL	EFFECTS OF MICROWAVES: FUTURE RESEARCH DIRECTIONS	0631
	EFFECTS OF MICROWAVES: LOCAL 'HOT SPOT' HEATING BY MICROWAVES	1264
	EFFECTS OF MILLIMETER RADIO WAVES ON THE NEURO-HUMORAL SYSTEM IN R	0292
DISTINCTIVE FEATURES OF BIOLOGICAL	EFFECTS OF MILLIMETER RANGE RADIO WAVES AND POSSIBLE USE THEREOF I	0208
OF THE MECHANISMS OF THE NONTHERMAL	EFFECTS OF MILLIMETER- AND SUBMILLIMETER-BAND EMR ON BIOLOGICALLY	2307
BIOLOGICAL	EFFECTS OF MILLIMETER-BAND ELECTROMAGNETIC RADIATION	3581
	EFFECTS OF MILLIMETER-BAND EM WAVES IN THE CELL AND CERTAIN STRUCT	2306
	EFFECTS OF MILLIMETER-BAND EM WAVES ON CERTAIN ASPECTS OF PROTEIN	2304
	EFFECTS OF MILLIMETER-BAND EMR ON THE FUNCTIONAL ACTIVITY OF CERTA	2302
A STUDY OF THE	EFFECTS OF MILLIMETER-BAND MICROWAVES ON THE BONE MARROW OF MICE	2301
	EFFECTS OF MILLIMETER-BAND RADIO WAVES ON CERTAIN PROPERTIES OF BA	2303
THE	EFFECTS OF MINUTE DIRECT ELECTRICAL CURRENTS ON CULTURED CHICK EMB	3267
R THE OBSERVATION OF THE BIOLOGICAL	EFFECTS OF MIRCROWAVES (IN RUSSIAN)	0213
	EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS: EFF	0095
	EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS. II	0287
	EFFECTS OF MODULATED VHF FIELDS ON SPECIFIC BRAIN RHYTHMS IN CATS	0447
	EFFECTS OF MODULATED VHF FIELDS ON THE CENTRAL NERVOUS SYSTEM	1060
PHYSIOLOGICAL	EFFECTS OF NAACH VOLTAGES	2541
	EFFECTS OF NON-IONIZING AND IONIZING RADIATIONS ON THE TRANSFORMIN	2467
	EFFECTS OF NON-IONIZING ELECTROMAGNETIC RADIATION ON BIOLOGICAL MA	3024
	EFFECTS OF NON-IONIZING EMR ON BIOLOGICAL MATERIALS	1222
BIOLOGICAL	EFFECTS OF NON-IONIZING RADIATION	1216
	EFFECTS OF NON-IONIZING RADIATION GIVEN PRIORITY STATUS BY CONGRES	2468
BIOLOGICAL	EFFECTS OF NON-IONIZING RADIATION	2908
THE	EFFECTS OF NON-THERMAL RADIO FREQUENCY RADIATION ON HUMAN LYMPHOCY	0692
BIOLOGICAL	EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIATION: A DIGEST OF CURR	0081
BIOLOGICAL	EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIATION: A DIGEST OF CURR	0163
ON ON NERVOUS SYSTEM AND BEHAVORIAL	EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIATIONS	3584
ON ON NERVOUS SYSTEM AND BEHAVIORAL	EFFECTS OF NONIONIZING EM RADIATIONS	1391
SOURCES AND BIOLOGICAL	EFFECTS OF NONIONIZING EMR	2147
	EFFECTS OF NONIONIZING EMR ON SINGLE-CELL BIOLOGIC SYSTEMS	1086
BIOLOGICAL	EFFECTS OF NONIONIZING EMR: A DIGEST OF CURRENT LIT	1420
BIOLOGICAL	EFFECTS OF NONIONIZING EMR: A DIGEST OF CURRENT LITERATURE	0244
ATIONAL COLLABORATION ON THE HEALTH	EFFECTS OF NONIONIZING RADIATION	0285
	EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD:	0257
BIOLOGICAL	EFFECTS OF NONIONIZING RADIATION	3216
BIOLOGICAL	EFFECTS OF NONIONIZING RADIATION: AN OUTLINE OF FUNDAMENTAL LAWS	1051
S AND CALCULATIONS OF ELECTROSTATIC	EFFECTS OF OVERHEAD TRANSMISSION LINES	1006
ELECTROSTATIC AND ELECTROMAGNETIC	EFFECTS OF OVERHEAD TRANSMISSION LINES	3173
S AND CALCULATIONS OF ELECTROSTATIC	EFFECTS OF OVERHEAD TRANSMISSION LINES	3617
ELECTROMAGNETIC	EFFECTS OF OVERHEAD TRANSMISSION LINES, PRATICAL PROBLEMS, SAFEGUA	3104
ELECTROSTATIC	EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCUL	3010
ELECTROSTATIC	EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZARDS AND EFFECT	3009
SOME BEHAVIORAL	EFFECTS OF PRE- AND NEO-NATAL EXPOSURE TO AN ELF ROTATING MAGNETIC	1004
	EFFECTS OF PRE-AND POST-NATAL EXPOSURES TO 918 MHZ MICROWAVE RADIA	2700
	EFFECTS OF PROLONGED HIGH TEMPERATURE ON TESTICULAR DEVELOPMENT AN	2890
CORNEAL RADIOFREQUENCY BURNS:	EFFECTS OF PROSTAGLANDINS AND 48/80	2223
THERMAL AND ENDOCRINOLOGICAL	EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450 MHZ MICROWAVES	2901
THERMAL AND ENDOCRINOLOGICAL	EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450-MHZ MICROWAVES	2747
STUDIES CONCERNING THE POSTNATAL	EFFECTS OF PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATIO	2864
STUDIES CONCERNING THE	EFFECTS OF PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF	2865
DIFFERENTIAL BIOLOGIC	EFFECTS OF PULSED AND CONTINUOUS EM FIELDS AND MECHANISMS OF EFFEC	1052
THE	EFFECTS OF PULSED EM ENERGY ON PERIPHERAL NERVE REGENERATION	1054
OSSIBILITY OF NONTHERMAL BIOLOGICAL	EFFECTS OF PULSED EMR	1734
	EFFECTS OF PULSED LOW-FREQUENCY MAGNETIC FIELD ON ACTIVITY OF REDO	2054
BEHAVIORAL	EFFECTS OF PULSED MICROWAVE RADIATION	1096
THE	EFFECTS OF PULSED, HIGH-FREQUENCY RADIO WAVES ON THE RATE OF OSTEO	0993
	EFFECTS OF R-F ENERGY ON BIOLOGICAL MACROMOLECULES	3236
BIOLOGICAL	EFFECTS OF R-F ON MACROMOLECULES	3472
THE	EFFECTS OF RADAR ON THE HUMAN BODY (RESULTS OF RUSSIAN STUDIES ON	1203
BIOLOGICAL	EFFECTS OF RADAR RADIATION (IN FRENCH)	2633
CARDIAC AND NEURAL	EFFECTS OF RADAR WAVELENGTHS	1199
THE BIOLOGICAL	EFFECTS OF RADAR WAVES	0816

CURRENT IDEAS ON THE	EFFECTS OF RADAR WAVES ON LIVING ORGANISMS AND RELATED METHODS OF	0451
BIOLOGIC	EFFECTS OF RADIATION IN THE 30-300 MHZ RANGE	1276
MODEL FOR SOME NONTHERMAL	EFFECTS OF RADIO AND MICROWAVE FIELDS ON BIOLOGICAL MEMBRANES	2691
NON-THERMAL	EFFECTS OF RADIO FREQUENCY IN BIOLOGICAL SYSTEMS	0492
BIOLOGICAL	EFFECTS OF RADIO FREQUENCY RADIATION BIBLIOGRAPHY	0608
BIOLOGICAL	EFFECTS OF RADIO FREQUENCY WAVES	0309
PATHOLOGICAL	EFFECTS OF RADIO WAVES	2248
EIGN LANGUAGE REPORTS ON BIOLOGICAL	EFFECTS OF RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	2254
BIBLIOGRAPHY ON BIOLOGICAL	EFFECTS OF RADIO-FREQUENCY EM FIELDS (WITH SPECIAL ANALYTICAL AIDS	2557
THE	EFFECTS OF RADIO-FREQUENCY ENERGY ON CORYNEBACTERIUM DIPHTHERIAE A	1294
	EFFECTS OF RADIO-FREQUENCY ENERGY ON HUMAN GAMMA GLOBULIN	2952
	EFFECTS OF RADIO-FREQUENCY ENERGY ON PRIMATE CEREBRAL ACTIVITY	1993
	EFFECTS OF RADIO-FREQUENCY IRRADIATION ON THE ENZYMES OF BEEF MUSC	2561
STATUS OF THE FIELD OF BIOLOGICAL	EFFECTS OF RADIO-FREQUENCY RADIATION	3005
SOME BIOLOGICAL	EFFECTS OF RADIO-FREQUENCY RADIATION	3606
	EFFECTS OF RADIO-FREQUENCY RADIATION ON INFLAMMATION	2752
ORPHOPHSIOLOGICAL CHANGES UNDER THE	EFFECTS OF RADIOFREQUENCY ELECTROMAGNETIC FIELDS	3026
OF WORK HYGIENE AND THE BIOLOGICAL	EFFECTS OF RADIOFREQUENCY EM WAVES	1435
LETHAL	EFFECTS OF RADIOFREQUENCY ENERGY ON EGGS OF TENEBRIO MOLITOR (COLE	0985
BIOLOGICAL	EFFECTS OF RADIOFREQUENCY FIELDS AS TRANSLATED FROM O BIOLOGICHESK	3126
POSSIBLE CATARACTOGENIC	EFFECTS OF RADIOFREQUENCY RADIATION	1313
	EFFECTS OF RADIOFREQUENCY RADIATION ON MURINE PERIPHERAL WHITE BLO	2345
THE	EFFECTS OF RADIOWAVES ON THE GROWTH OF ANIMALS	1463
	EFFECTS OF REPEATED MICROWAVE IRRADIATIONS TO THE ALBINO RABBIT EY	2682
BEHAVIORAL	EFFECTS OF RESONANT EM POWER ABSORPTION IN RATS	2166
NON-THERMAL	EFFECTS OF RF ENERGY	3223
	EFFECTS OF RF FIELDS ON NERVOUS ACTIVITIES	2443
NONTHERMAL GENETIC	EFFECTS OF RF	3226
	EFFECTS OF SHF FIELDS ON ENZYMATIC ACTIVITIES AND PYRIDOXINE LEVEL	1513
	EFFECTS OF SHF FIELDS ON MUSCLE OXYGEN TENSION AND TEMPERATURE IN	0378
THERMAL	EFFECTS OF SINGLE AND REPEATED EXPOSURES TO MICROWAVES--A REVIEW	1370
	EFFECTS OF SMALL ELECTRICAL CURRENTS ON COLLAGEN IN SOLUTION	0854
FOR ENZYME INACTIVATION: A STUDY OF	EFFECTS OF SODIUM PENTOBARBITAL ON ACETYLCHOLINE CONCENTRATION IN	1202
	EFFECTS OF SOME PHYSICAL ENVIRONMENTAL FACTORS ON INDICES OF WATER	2067
MEASURED	EFFECTS OF SQUARE-WAVE MODULATED RF FIELDS (450 AND 3100 MHZ) ON C	1289
BIOLOGICAL	EFFECTS OF STATIC AND LOW FREQUENCY EM FIELDS: AN OVERVIEW OF UNIT	2393
SOME POSSIBLE	EFFECTS OF STATIC MAGNETIC FIELDS ON CANCER	1836
BEHAVIORAL	EFFECTS OF STIMULATION BY UHF RADIO FIELDS	0471
BEHAVIORAL	EFFECTS OF STRONG 60-HZ ELECTRIC FIELDS IN RATS	0373
	EFFECTS OF STRONG INFRALOW-FREQUENCY MAGNETIC FIELDS ON BONE MARRO	0437
AN EXPLORATION OF THE	EFFECTS OF STRONG RADIO-FREQUENCY FIELDS ON MICRO-ORGANISMS IN AQU	0529
	EFFECTS OF SUPER-HIGH-FREQUENCY RADIO CURRENT ON HEALTH OF MEN EXP	0603
THE	EFFECTS OF SUPERHIGH FREQUENCY EM FIELDS (SHF-EMF) ON THE BODY	1477
	EFFECTS OF SUPERHIGH FREQUENCY FIELDS OF DIFFERENT INTENSITY ON TH	1505
RINE FROM CAT BRAIN: THE ELECTRICAL	EFFECTS OF TAURINE ON NORMAL AND SEIZURE PRONE CORTEX	1517
BIOLOGICAL	EFFECTS OF TECHNICAL ELECTRIC AND EM VLF FIELDS	2124
AN ASSESSMENT OF ADVERSE HEALTH	EFFECTS OF TELECOMMUNICATIONS TECHNOLOGY	0550
THE	EFFECTS OF TELEVISION AND FM BROADCAST STATIONS UPON THE PERFORMAN	3553
	EFFECTS OF THE DECIMETER WAVELENGTH RANGE ON THE FUNCTIONAL CONDIT	1348
	EFFECTS OF THE ENVIRONMENT ON OXIDANTS PRODUCTION IN AC CORONA	3106
EVALUATION OF	EFFECTS OF THE MICROWAVE OVEN (915 AND 2450 MHZ) AND RADAR (2810 A	0450
STUDY OF BIOLOGICAL AND ECOLOGICAL	EFFECTS OF THE SOLAR POWER SATELLITE TRANSMISSION SYSTEM	0113
	EFFECTS OF THE SURROUNDINGS ON EM-POWER ABSORPTION IN LAYERED-TISS	1233
PHYSIOLOGICAL	EFFECTS OF THERMODE AND MICROWAVE STIMULATION OF PERIPHERAL NERVES	2513
	EFFECTS OF TRANSCEREBRAL ELECTROTHERAPY (ELECTROSLEEP) ON STATE AN	1236
ELECTRICAL	EFFECTS OF TRANSMISSION LINES	3158
ELECTRICAL & BIOLOGICAL	EFFECTS OF TRANSMISSION LINES: A REVIEW	0083
COMBINED	EFFECTS OF UHF AND SOFT X-RADIATION ON ANIMALS	1366
VE SYSTEM IN WORKERS EXPOSED TO THE	EFFECTS OF UHF EM FIELDS	1515
BIOLOGICAL	EFFECTS OF UHF EMR (RADAR) (IN FRENCH)	0508
	EFFECTS OF UHF MAGNETIC FIELDS ON DEVELOPMENT OF ARTERIAL AND LYMP	2810
	EFFECTS OF UNIFORM MAGNETIC FIELDS ON THE BIOELECTRIC RESPONSE OF	1583
METABOLIC REGULATION AS SEEN BY THE	EFFECTS OF VARIOUS MICROWAVE AND BLACK LIGHT FREQUENCIES ON THESE	1085
SOME	EFFECTS OF VARIOUS PULSED FIELDS ON ANIMALS WITH AUDIOGENIC EPILEP	1253
OR TRANSMISSION LINE, INCLUDING THE	EFFECTS OF VERTICAL GROUND WIRES	3103

ELECTROGRAPHIC DATA ON THE	EFFECTS OF VERY WEAK MICROWAVES AT THE LEVEL OF THE MIDBRAIN RETIC	1444
RESEARCH ON BIOLOGICAL	EFFECTS OF VLF BAND EMR	0955
LONG-TERM	EFFECTS OF WEAK 45-75 HZ EM FIELDS ON THE SLIME MOLD PHYSARUM POLY	2182
	EFFECTS OF WEAK ELECTRIC FIELDS ON BEHAVIOR AND EEG OF LABORATORY	2418
	EFFECTS OF WEAK ELF ELECTRIC FIELDS ON SCHEDULE CONTROLLED BEHAVIO	2162
	EFFECTS OF WEAK ELF FIELDS ON EFFLUX OF CALCIUM AND AN AMINO ACID	1989
	EFFECTS OF WEAK LOW FREQUENCY FIELDS ON CALCIUM EFFLUX FROM CHICK	2727
	EFFECTS OF WEAK MAGNETIC FIELDS ON GERBIL SPONTANEOUS ACTIVITY	2122
BIOLOGICAL	EFFECTS OF X-BAND MICROWAVE IRRADIATIONS ON E. COLI	2814
ENCEPHALOGRAPHIC STUDY OF THE ACUTE	EFFECTS OF X-BAND MICROWAVES IN RABBITS	1252
INTRODUCTION:	EFFECTS ON BEHAVIOR	1091
HIRE PIGS TO ELECTRICAL STRESS, II.	EFFECTS ON BLOOD CELLS AND BLOOD MINERALS	0144
THE	EFFECTS ON CARDIAC PACEMAKERS OF IONIZING RADIATION AND ELECTROMAG	3417
MICROWAVE	EFFECTS ON CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL FACTORS	2388
EM INDUCED KINETIC	EFFECTS ON CHARGED SUBSTRATES IN LOCALIZED ENZYME SYSTEMS	1731
CURRENT IN THE SPINAL CORD AND ITS	EFFECTS ON EVOKED POTENTIALS	1886
N AND CHLORDIAZEPOXIDE: SYNERGISTIC	EFFECTS ON FIXED INTERVAL BEHAVIOR	0103
MICROWAVE	EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN V	0352
MICROWAVE AND INFRA-RED	EFFECTS ON HEART RATE, RESPIRATION RATE AND SUBCUTANEOUS TEMPERATU	0921
TO STRONG 50 HZ ELECTRIC FIELDS (2)	EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTIVITY	3129
POWER RADIO-FREQUENCY AND MICROWAVE	EFFECTS ON HUMAN ELECTROENCEPHALOGRAM AND BEHAVIOR	0132
SOME	EFFECTS ON HUMAN SUBJECTS OF UHF RADIATION	0601
UDIES RELATING TO THE PHYSIOLOGICAL	EFFECTS ON HUMANS OF NONIONIZING ELECTROMAGNETIC RADIATION	2907
PULSED RADIOWAVE (27.12 MHZ)	EFFECTS ON IN VIVO AND IN VITRO TUMOR GROWTH	1162
N THE STUDY OF MICROWAVE BIOLOGICAL	EFFECTS ON ISOLATED NEURAL PREPARATIONS	1213
ELF EM FIELD	EFFECTS ON LIFE FORMS--BIBLIOGRAPHY	2253
PERCEPTION AND	EFFECTS ON LOCOMOTOR ACTIVITY IN AMERICAN EELS AND ATLANTIC SALMON	1783
2450 MHZ (CW) MICROWAVE RADIATION:	EFFECTS ON LYMPHOCYTES	2902
O 425 MHZ (CW) MICROWAVE RADIATION:	EFFECTS ON LYMPHOCYTES	2903
REVIEW OF A PROGRAM TO ASSESS THE	EFFECTS ON MAN FROM EXPOSURE TO MICROWAVES	0503
ORIENTATION	EFFECTS ON MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHEMICAL CORREL	2800
ABSENCE OF EM PULSE	EFFECTS ON MONKEYS AND DOGS	0498
MICROWAVE SATURATION	EFFECTS ON PARAMAGNETIC CENTERS OF PROTEINS IRRADIATED WITH ULTRAV	1476
MAGNETIC FIELD	EFFECTS ON RADICAL PAIR INTERMEDIATES IN BACTERIAL PHOTOSYNTHESIS	2583
TERATOGENIC	EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE	2340
TERATOGENIC	EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE	2881
IRRADIATION, BEHAVIORAL AND OCULAR	EFFECTS ON RHESUS MONKEYS	2347
PHARMACOLOGIC ANALYSIS OF MICROWAVE	EFFECTS ON THE CENTRAL NERVOUS SYSTEM IN EXPERIMENTAL ANIMALS	1250
CONFORMATIONAL	EFFECTS ON THE ACTIVATION FREE ENERGY OF DIFFUSION THROUGH MEMBRAN	0860
CURRENT STATUS OF MICROWAVE	EFFECTS ON THE BLOOD-BRAIN BARRIER	0360
MICROWAVE	EFFECTS ON THE BLOOD-FORMING SYSTEM WITH PARTICULAR REFERENCE TO T	1074
THE	EFFECTS ON THE BODY OF EMR OF THE SHF RANGE	2487
ITIONED REFLEXES TO STUDY MICROWAVE	EFFECTS ON THE CENTRAL NERVOUS SYSTEM	1249
RADIATION	EFFECTS ON THE EYE	0480
EMR:	EFFECTS ON THE EYE	1599
XPOSURE TO EMR, PART II: BIOMEDICAL	EFFECTS ON THE EYE FROM EXPOSURE TO MICROWAVES AND IONIZING RADIAT	1215
QUANTITATION OF MICROWAVE RADIATION	EFFECTS ON THE EYES OF RABBITS AT 2450 MHZ AND 918 MHZ	1858
MICROWAVE-INDUCED INJURIOUS	EFFECTS ON THE HUMAN- EMBRYO IN UTERO	3422
CEPHALOGRAPHIC STUDIES OF MICROWAVE	EFFECTS ON THE NERVOUS SYSTEM	1063
NEGATIVE INFLUENCE OF BIOMAGNETIC	EFFECTS ON THE ORGANISM OF PUPILS IN LABORATORIES. (IN SLO)	0342
DOSE RATE RELATED	EFFECTS ON THE OXYGEN CONSUMPTION OF MICE DURING AND AFTER MICROWA	2910
TO STRONG 50 HZ ELECTRIC FIELDS (1)	EFFECTS ON THE PROPORTION OF THE DIFFERENT LEUCOCYTE TYPES	3128
VE RADIATIONS WITH RESPECT TO THEIR	EFFECTS ON THE RODENT EMBRYO AND FETUS	2359
LOW LEVEL MICROWAVE	EFFECTS ON THE TOTAL IRON BINDING CAPACITY OF PREGNANT RATS	2448
HERMAL AND RADIO-FREQUENCY EXPOSURE	EFFECTS ON TRACE METAL CONTENT OF BLOOD PLASMA AND LIVER CELL FRAC	1079
FREQUENCY AND ORIENTATION	EFFECTS ON WHOLE ANIMAL ABSORPTION OF EM WAVES	1335
ORIENTATION AND FREQUENCY	EFFECTS ON WHOLE ANIMAL ABSORPTION OF MICROWAVES--LETHALITY EXPERI	2378
POLARIZATION AND FREQUENCY	EFFECTS ON WHOLE ANIMAL ABSORPTION OF RF ENERGY	0780
FREQUENCY AND POLARIZATION	EFFECTS ON WHOLE ANIMAL ABSORPTION OF RF ENERGY	3556
MICROWAVE RADIATION	EFFECTS PROGRAM	0747
REVIEW OF THE BIOLOGICAL	EFFECTS PROGRAM	1572
RKSHOP ON ELECTRICAL AND BIOLOGICAL	EFFECTS RELATED TO HVDC TRANSMISSION	0300
COUPLING AND CORONA	EFFECTS RESEARCH PLAN FOR TRANSMISSION LINES	1890
REPORT OF THE HEALTH	EFFECTS RESEARCH REVIEW GROUP	0055
RADIATORS FOR MICROWAVE BIOLOGICAL	EFFECTS RESEARCH-- WAVEGUIDE SLOT ARRAY WITH CONSTANT RADIATION IN	2740

PROJECT SANGUINE BIOLOGICAL	EFFECTS TEST PROGRAM PILOT STUDIES	1760
PROJECT SANGUINE BIOLOGICAL	EFFECTS TEST PROGRAM PILOT STUDIES	3279
MICROWAVE BIOLOGICAL	EFFECTS UNDER REPRODUCIBLE DOSIMETRIC AND ENVIRONMENTAL CONDITIONS	2389
OF NONIONIZING MICROWAVE RADIATION	EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS	0277
OF REPORTED BIOLOGICAL PHENOMENA ('	EFFECTS ') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND	0483
OF REPORTED BIOLOGICAL PHENOMENA ('	EFFECTS ') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND	0484
OF REPORTED BIOLOGICAL PHENOMENA ('	EFFECTS ') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND	3144
OF REPORTED BIOLOGICAL PHENOMENA ('	EFFECTS ') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND	3622
AND HIGH VOLTAGE TRANSMISSION LINE	EFFECTS)	2369
NATION CONFERENCE ON EMR BIOLOGICAL	EFFECTS , JULY 1970	0758
	EFFECTS , PROTECTIVE MEASURES, AND MEDICO-MILITARY ASPECTS IN CONNE	3191
NONIONIZING RADIATION: BIOLOGICAL	EFFECTS- HEALTH ASPECTS OF SAFETY. (IN ITAL.)	0177
ESS, I. PHYSIOLOGICAL & BIOCHEMICAL	EFFECTS	0199
EPIDEMIOLOGIC STUDIES OF MICROWAVE	EFFECTS	0397
BIOMAGNETIC	EFFECTS : A CONSIDERATION IN FUSION REACTOR DEVELOPMENT	1638
E OF PACEMAKERS AGAINST EXTERNAL EM	EFFECTS : FACT OR FICTION? (IN FRENCH)	2588
CELLULAR	EFFECTS : MILLIMETER WAVES AND RAMAN SPECTRA- REPORT OF A PANEL DIS	0392
SION LINES HEALTH AND ENVIRONMENTAL	EFFECTS : REQUEST FOR SUBMISSION DATA	3239
EHV AND UHV ELECTROSTATIC	EFFECTS : SIMPLIFIED DESIGN CALCULATIONS AND PREVENTIVE MEASURES	3127
N MICROWAVE-INDUCED NEUROENDORCRINE	EFFECTS : THE CONCEPT OF STRESS	0396
GASEOUS	EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA	3013
MEASUREMENTS OF	EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA I--FIELD TESTS	2995
MEASUREMENTS OF	EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA II--LABORATORY TESTS	2996
EAK LOW FREQUENCY FIELDS ON CALCIUM	EFFLUX FROM CHICK AND CAT CEREBRAL TISSUE	2727
	EFFLUX OF CALCIUM AND AMINO ACIDS FROM CEREBRAL TISSUE WITH WEAK	2310
EFFECTS OF WEAK ELF FIELDS ON	EFFLUX OF CALCIUM AND AN AMINO ACID TRANSMITTER (GABA) FROM BRAIN	1989
G RADIATION: AN OVERVIEW OF THE NWL	EFFORT	0827
ELECTRICAL CONDUCTIVITY OF CHICKEN	EGG PROTEINS AND YOLK DURING EARLY STAGES OF INCUBATION	0219
N THE DEVELOPMENT OF ARTEMIA SALINA	EGGS (IN FRENCH)	2143
POLARIZATION OF FUCOID	EGGS BY STEADY ELECTRICAL FIELDS	0643
EFFECTS OF RADIOFREQUENCY ENERGY ON	EGGS OF TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE)	0985
EFFECTS OF MICROWAVE RADIATION ON	EGGS , EMBRYOS AND CHICKENS	2059
YPERTHERMIA, AND L-ASCORBIC ACID ON	EHRLICH ASCITES CARCINOMA CELL METABOLISM	0044
HIGH-FREQUENCY HYPERTHERMIA ON THE	EHRLICH 'S-ASCITES CARCINOMA IN THE MOUSE (IN GERMAN)	1187
HIELDING KEEPS LINEMEN SAFE WORKING	EHV	3101
PROCEEDINGS OF THE SYMPOSIUM ON	EHV AC POWER TRANSMISSION HELD BY THE JOINT AMERICAN-SOVIET COMMIT	3155
	EHV AND UHV ELECTROSTATIC EFFECTS: SIMPLIFIED DESIGN CALCULATIONS	3127
DEVELOPMENT OF	EHV AND UHV SYSTEMS IN THE USSR	3582
	EHV ELECTRIC FIELDS: THE NEW RADIATION SCARE	3609
	EHV ELECTRIC FIELDS: THE NEW RADIATION SCARE	3241
XAMINATION OF ELECTRIC FIELDS UNDER	EHV OVERHEAD POWER TRANSMISSION LINES	2609
TRIC FIELDS AND MAGNETIC FLUX UNDER	EHV OVERHEAD POWER TRANSMISSION LINES	0166
MAGNETIC ENVIRONMENTAL CRITERIA FOR	EHV OVERHEAD TRANSMISSION LINES	3169
GASEOUS EFFLUENTS DUE TO	EHV TRANSMISSION LINE CORONA	3013
MEASUREMENTS OF EFFLUENTS DUE TO	EHV TRANSMISSION LINE CORONA I--FIELD TESTS	2995
MEASUREMENTS OF EFFLUENTS DUE TO	EHV TRANSMISSION LINE CORONA II--LABORATORY TESTS	2996
RANSIENT ELECTROSTATIC INDUCTION BY	EHV TRANSMISSION LINES	3086
MENTAL OXIDANT PRODUCTION RATES FOR	EHV TRANSMISSIONS LINES AND THEORETICAL ESTIMATES OF OZONE CONCENT	3113
S IRRADIATION, 'JONOMODULATOR' AND '	EICHOTHERM ' APPARATUS (IN GERMAN)	1411
DIE DIELEKTRISCHEN	EIGENSCHAFTEN BIOLOGISCHER SUBSTANZEN IM DEZIMETERWELLEN-BEREICH	3485
DER DIELEKTRISCHEN UND MAGNETISCHEN	EIGENSHAFTEN INHOMOGENER DIELEKTRIKEN, INSHESONDERE BIOLOGISCHER K	3486
	EINWIRKUNG ELEKTRISCHER WELLEN AUF KOLLOIDE	3487
CT OF A PERMANENT MAGNETIC FIELD ON	ELABORATION OF CONDITIONED REFLEXES IN MICE UNDER FOOTHILL AND ALP	0273
CHANGES IN MUSCULAR FORCE IN	ELDERLY SUBJECTS CAUSED BY ELECTRICAL STIMULATION	3402
EFFECT OF A LOW-INTENSITY	ELECTOMAGNETIC FIELD IN THE SUPER HIGH FREQUENCY RANGE ON THE COUR	0317
ICAL CALLUS AND CALLUS FORMATION BY	ELECTRET	2775
	ELECTRET INDUCED CALLUS FORMATION IN THE RAT	2776
THE CAUDATE NUCLEUS ON THE CORTICAL	ELECTRIC ACTIVITY AND THE WAKEFULNESS-SLEEP CYCLE (IN RUSSIAN)	1406
DYNAMICS IN CHANGES OF THE CEREBRAL	ELECTRIC ACTIVITY IN PATIENTS WITH THE CLIMACTERIC SYNDROME DURING	1409
CHANGES IN	ELECTRIC ACTIVITY OF DIENCEPHALIC AREA AND CORTEX OF RABBIT'S CERE	1996
BIOLOGICAL EFFECTS OF TECHNICAL	ELECTRIC AND EM VLF FIELDS	2124
BIBLIOGRAPHIC STUDY ON THE	ELECTRIC AND MAGNETIC FIELD EFFECT ON LIVING ORGANISMS	1586
MEASUREMENT OF	ELECTRIC AND MAGNETIC FIELD STRENGTHS FROM INDUSTRIAL RADIOFREQUEN	2210
BRAIN INTERACTIONS WITH WEAK	ELECTRIC AND MAGNETIC FIELDS	1660
REVIEW OF THE BIOLOGICAL EFFECTS OF	ELECTRIC AND MAGNETIC FIELDS	1664

MULATION OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS 1672
KSHOP ON SOURCES AND SAFE LEVELS OF ELECTRIC AND MAGNETIC FIELDS 1681
NSIS) EXPOSED TO PROJECT SANGUINE'S ELECTRIC AND MAGNETIC FIELDS 1762
C SALMON OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS 1783
EXPOSURE OF DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS 2180
MOTION OF PARAMECIUM IN STATIC ELECTRIC AND MAGNETIC FIELDS 3489
BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH ELF COMMUNICATIONS SY 0394
BIOLOGIC EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH PROPOSED PROJECT SEAF 2457
EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS IN DOMESTIC BIRDS 3134
ELECTRIC AND MAGNETIC FIELDS NEAR A CIRCULAR LOOD AT 27 MHZ 3310
BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY 1685
INFLUENCE OF COMBINED ELECTRIC AND MAGNETIC FIELDS ON BIOLOGICAL CELLS AND OTHER PARTICL 1733
INFLUENCE OF 50 HZ ALTERNATING ELECTRIC AND MAGNETIC FIELDS ON HUMAN BEINGS 1587
NIQUES FOR MEASURING THE EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON INSECTS IN MOTION 1674
EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON LIVING ORGANISMS AND IN PARTICULAR 1585
EFFECTS OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 0863
F EFFECT OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 1171
EFFECTS OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF ANIMALS 2277
INFLUENCE OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHICKENS 2289
ELECTRIC AND MAGNETIC FIELDS PRODUCED BY COMMERCIAL POWER SYSTEMS 1665
NFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, AND BEHAVIO 1786
DEVELOPMENT OF ELECTRIC AND MAGNETIC NEAR-FIELD PROBES 1263
ELECTRIC AND MAGNETIC PROPERTIES OF LYSOZYME AND OTHER BIOMOLECULE 1738
POLY(L-LYSINE) STUDIED BY TRANSIENT ELECTRIC BIREFRINGENCE 0859
ELECTRIC BIREFRINGENCE STUDIES OF CARTILAGE PROTEOGLYCAN AGGREGATI 2399
NCY RADIATION HAZARDS IN THE USE OF ELECTRIC BLASTING CAPS 3131
IMMEDIATE EFFECT OF ELECTRIC CARDIOVERSION ON THE INDICES OF HEMODYNAMICS AND MYOCARDI 1396
ELECTRIC COMMUNICATION IN FISH: CERTAIN SPECIES OF FISH PRODUCE EL 0502
NERGY: CURRENT VIEWS OF THE GENERAL ELECTRIC COMPANY'S HEALTH AND HYGIENE SERVICE 1571
N THRESHOLDS TO EXTRA-LOW-FREQUENCY ELECTRIC CURRENT 0510
ELECTRIC CURRENT HASTENS BONE HEALING 2088
EFFECTS OF ELECTRIC CURRENT ON MAN 3277
EFFECT OF A PULSED ELECTRIC CURRENT ON THE COURSE OF REPARATIVE OSTEOGENESIS 2822
CLINIÇAL APPLICATIONS OF ELECTRIC CURRENT REMAIN LARGELY UNEXPLORED 1220
ELECTRIC CURRENT SPARKS MAMMALIAN TISSUE REGENERATION 0739
AL RESPONSES TO FLOW OF ALTERNATING ELECTRIC CURRENT THROUGH THE HUMAN BODY AT POWER-TRANSMISSION FREQ 3017
ABILITY OF ANECHOIC CHAMBER FOAM BY ELECTRIC CURRENTS 0945
SATIONS STIMULATED BY LOW-FREQUENCY ELECTRIC CURRENTS 2760
REEVALUATION OF LETHAL ELECTRIC CURRENTS 3278
L MECHANISMS AND THE ACTION OF WEAK ELECTRIC CURRENTS IN THE ACCELERATION OF WOUND HEALING AND FRACTUR 1825
A SPECIFIC EFFECT OF HIGH-FREQUENCY ELECTRIC CURRENTS ON BIOLOGICAL OBJECTS 0544
DELETERIOUS EFFECTS OF ELECTRIC CURRENTS ON THE HUMAN ORGANISM (IN ITALIAN) 2626
WORKSHOP ON BIOLOGICAL EFFECTS OF ELECTRIC CURRENTS: ELECTRICAL STIMULATION AND THERAPY 1682
TERFERENCE PATTERNS OF A HORIZONTAL ELECTRIC DIPOLE OVER LAYERED DIELECTRIC MEDIA 0748
DEVELOPMENT OF NEAR-FIELD ELECTRIC ENERGY DENSITY METER MODEL EDM-2 1011
ELECTRIC ENHANCEMENT OF BONE HEALING 1832
EHAVIOUR OF CELLS IN AN ALTERNATING ELECTRIC FIELD 0563
SYNTHESIS GENERATED BY AN EXTERNAL ELECTRIC FIELD 0671
LOWING EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIELD 1853
ESTINE UNDER THE INFLUENCE OF A UHF ELECTRIC FIELD 1856
AVIOR OF LONE CELLS IN A NONUNIFORM ELECTRIC FIELD 2232
IN VIVO BONE GROWTH IN A CONTROLLED ELECTRIC FIELD 2236
WEEN INTRINSIC MEMBRANE PROTEIN AND ELECTRIC FIELD 2367
F HUMAN ERYTHROCYTES BY A TRANSIENT ELECTRIC FIELD 2372
HLOROPLAST FRAGMENTS ORIENTED IN AN ELECTRIC FIELD 2704
ULTS FROM EXPOSURE OF ANIMALS TO AC ELECTRIC FIELD 3159
MADE FACTORS DECREASING THE NATURAL ELECTRIC FIELD (IN GERMAN) 2844
SUPER-HIGH FREQUENCY ELECTRIC FIELD AND CRUSTACEAN GANGLIONIC DISCHARGES 1942
ATION OF THE BLOOD-BRAIN BARRIER BY ELECTRIC FIELD APPLICATION 2820
EFFECT OF AC ELECTRIC FIELD APPLICATION UPON HUMAN VISUAL THRESHOLD 2154
HIGH VOLTAGE ELECTRIC FIELD COUPLING TO HUMANS USING MOMENT METHOD TECHNIQUES 2186
THE EFFECT OF A SCREENING OF THE ELECTRIC FIELD DURING THE NIGHT ON PEOPLE SUFFERING FROM RHEUMATIS 1181
ELECTRIC FIELD EFFECTS IN BACTERIORHODOPSIN 2450
ELECTRIC FIELD EFFECTS IN SELECTED BIOLOGIC SYSTEMS 1053
EMELY LOW FREQUENCY VERTICAL, 45-HZ ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD AND WAT 0957

REMELY LOW FREQUENCY (ELF) VERTICAL	ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMP	1787
REMELY LOW FREQUENCY (ELF) VERTICAL	ELECTRIC FIELD EXPOSURE OF RATS: IRRADIATION FACILITY	1788
EFFECTS OF 45 HZ	ELECTRIC FIELD EXPOSURE ON RATS	2183
TECHNIQUE FOR REDUCING THE AMBIENT	ELECTRIC FIELD GENERATED BY INDUCTIVE VOLTAGES IN LOW FREQUENCY MA	1210
INFLUENCE OF THE	ELECTRIC FIELD IN 500 AND 750 KV SWITCHYARDS ON MAINTENANCE STAFF	3076
MEASURING THE LOCAL RADIO FREQUENCY	ELECTRIC FIELD IN BIOLOGICAL SYSTEMS	1726
STUDY OF FLUCTUATIONS OF THE	ELECTRIC FIELD IN ITS RELATIONSHIPS WITH HIBERNATING SUBJECTS ON K	2843
UIREMENTS ON THE HOMOGENEITY OF THE	ELECTRIC FIELD IN THE VOLUME OF BIOLOGIC MATTER DURING THAWING IN	0276
EXTREMELY LOW FREQUENCY	ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIV	1782
LOW FREQUENCY	ELECTRIC FIELD INDUCED CHANGES IN THE SHAPE AND MOTILITY OF AMOEBA	0813
MEASUREMENT OF INDUSTRIAL FREQUENCY	ELECTRIC FIELD INTENSITY	1935
FREE-SPACE	ELECTRIC FIELD MAPPING OF MICROWAVE DIATHERMY APPLICATORS	0033
A BROADBAND, MINIATURE, ISOTROPIC	ELECTRIC FIELD MEASUREMENT SYSTEM	1744
	ELECTRIC FIELD MEASUREMENTS WITHIN BIOLOGICAL MEDIA	2667
R CALCULATING THE THREE DIMENSIONAL	ELECTRIC FIELD NEAR A MULTI-CONDUCTOR TRANSMISSION LINE, INCLUDING	3103
INFLUENCE OF AN	ELECTRIC FIELD OF COMMERCIAL FREQUENCY AND DIFFERENT INTENSITY ON	2808
INFLUENCE OF TECHNICAL ALTERNATING	ELECTRIC FIELD OF HIGH TENSION ON THE ORGANISM (IN GERMAN)	2600
LTH STATUS OF PEOPLE WORKING IN THE	ELECTRIC FIELD OF OPEN 400-500 KV SWITCHING STRUCTURES	3087
OF HEALTH OF PERSONS WORKING IN THE	ELECTRIC FIELD OF OUTDOOR 400 AND 500 KV SWITCHYARDS	3586
ICE KEPT IN FARADAY-CAGES AND IN AN	ELECTRIC FIELD OF RECTANGULAR 10 CYCLES (IN GERMAN)	2645
THE EFFECT OF LOW FREQUENCY	ELECTRIC FIELD ON ANAPHYLACTIC SHOCK AND ANTIBODY PRODUCTION (IN R	1937
LETHAL EFFECTS OF A HIGH FREQUENCY	ELECTRIC FIELD ON ESCHERICHIA COLI	3470
INHIBITING ACTION OF	ELECTRIC FIELD ON ESCHERICHIA COLI (IN RUSSIAN)	1634
BIOLOGICAL EFFECTS OF AN	ELECTRIC FIELD ON RATS AND RABBITS	1592
THE EFFECTS OF AN	ELECTRIC FIELD ON SOLUBLE COLLAGEN	0915
THE INFLUENCE OF UHF	ELECTRIC FIELD ON SPERMATOGENESIS IN TREATMENT OF PATIENTS WITH EP	0933
EFFECT OF A UHF	ELECTRIC FIELD ON SPERMATOGENESIS	0224
EFFECT OF A LOW FREQUENCY (50 HZ)	ELECTRIC FIELD ON THE BODY (IN RUSSIAN)	0233
THE EFFECT OF STATIC	ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS	2812
NFLUENCE OF A LOW FREQUENCY (50 HZ)	ELECTRIC FIELD ON THE ORGANISM	0379
EFFECTS OF A HIGH-TENSION	ELECTRIC FIELD ON THE SECRETION OF ANTIDIURETIC HORMONE IN RATS	1182
A MINIATURE BROAD-BAND	ELECTRIC FIELD PROBE	1099
A SMALL ELF	ELECTRIC FIELD PROBE	2280
AN IMPROVED ELF	ELECTRIC FIELD PROBE	2988
IMENTAL CALIBRATION OF A MINIATURE,	ELECTRIC FIELD PROBE WITHIN SIMULATED MUSCULAR TISSUES	2207
SYNTHESIS OF FREQUENCY RESPONSE OF	ELECTRIC FIELD PROBES	2217
FIELD MEASUREMENTS USING MINIATURE	ELECTRIC FIELD PROBES	2668
RESPONSE OF INSULATED	ELECTRIC FIELD PROBES IN FINITE HETEROGENEOUS BIOLOGICAL BODIES	0051
RESULTS OF MEASUREMENTS OF	ELECTRIC FIELD STRENGTH NEAR A 765 KV OVERHEAD POWER TRANSMISSION	3558
NEW STANDARD OF	ELECTRIC FIELD STRENGTH	3300
E OF THE EFFECT OF A HIGH-FREQUENCY	ELECTRIC FIELD UPON PARAMOECIUM	3464
NTAINING IN FARADAY CAGES AND IN AN	ELECTRIC FIELD, OSCILLATING WITH RECTANGULAR PULSES AT A FREQUENCY	2646
EXPOSURE OF MICE TO A STRONG AC	ELECTRIC FIELD--AN EXPERIMENTAL STUDY	0969
EXPOSURE OF MICE TO A STRONG AC	ELECTRIC FIELD--AN EXPERIMENTAL STUDY	3016
	ELECTRIC FIELD-INDUCED CONFORMATIONAL CHANGE OF POLY(L-LYSINE) STU	0859
OF AN INDUSTRIAL FREQUENCY (50 HZ)	ELECTRIC FIELD	0436
BIOLOGICAL EFFECTS OF AN	ELECTRIC FIELD: WHAT CAN AN ELECTRICIAN SAY ON THIS SUBJECT?	1584
THE RESPONSE OF BEES TO	ELECTRIC FIELDS	0291
OLLOWING EXPOSURE TO RADIOFREQUENCY	ELECTRIC FIELDS	0493
BIOLOGICAL PARTICLES TO ALTERNATING	ELECTRIC FIELDS	0553
HEARING SENSATIONS IN	ELECTRIC FIELDS	0572
DIOXANE AFTER APPLICATION OF STATIC	ELECTRIC FIELDS	0641
IN CONFORMATION CHANGES INDUCED BY	ELECTRIC FIELDS	0690
THROUGH MEMBRANES AS INFLUENCED BY	ELECTRIC FIELDS	0860
EXPOSED TO EXTREMELY LOW FREQUENCY	ELECTRIC FIELDS	0865
EMBRYONIC CHICK TIBIAE IN STEADY	ELECTRIC FIELDS	0943
ABSORPTION BY INSECTS AND GRAIN IN	ELECTRIC FIELDS	0981
HIGH VOLTAGE LINEMEN WORKING IN AC	ELECTRIC FIELDS	1015
TO LOW LEVELS OF 60 HZ ALTERNATING	ELECTRIC FIELDS	1205
ECOLOGICAL INFLUENCE OF	ELECTRIC FIELDS	1372
SSUE TO ENVIRONMENTAL AND INTRINSIC	ELECTRIC FIELDS	1383
POSURE TO OSCILLATING ENVIRONMENTAL	ELECTRIC FIELDS	1393
BIOLOGICAL EFFECTS OF	ELECTRIC FIELDS	1588
ENEL ON THE EFFECTS OF HIGH VOLTAGE	ELECTRIC FIELDS	1589
YCHOLOGICAL EFFECTS OF MAGNETIC AND	ELECTRIC FIELDS	1666

ISUAL FATIGUE BY MEANS OF DC AND AC	ELECTRIC FIELDS	1675
RGANISMS TO EXTREMELY LOW FREQUENCY	ELECTRIC FIELDS	1761
CAL EVALUATION OF MAN WORKING IN AC	ELECTRIC FIELDS	2023
ND MICROWAVE ENERGIES, MAGNETIC AND	ELECTRIC FIELDS	2125
VOUS TISSUES AND WEAK ENVIRONMENTAL	ELECTRIC FIELDS	2172
RAL TISSUE WITH WEAK, LOW-FREQUENCY	ELECTRIC FIELDS	2310
TUDE-MODULATED, VERY HIGH FREQUENCY	ELECTRIC FIELDS	2419
E DETERMINANTS OF INTERACTIONS WITH	ELECTRIC FIELDS	2429
ECOLOGICAL INFLUENCE OF	ELECTRIC FIELDS	2449
VER ENZYMES IN RATS LIVING IN 45 HZ	ELECTRIC FIELDS	2549
HIGH VOLTAGE LINEMEN WORKING IN AC	ELECTRIC FIELDS	3012
NDITIONS OF WORKERS IN HIGH-VOLTAGE	ELECTRIC FIELDS	3067
BLIOGRAPHY ON BIOLOGICAL EFFECTS OF	ELECTRIC FIELDS	3157
ABSORPTION BY INSECTS AND GRAIN IN	ELECTRIC FIELDS	3559
OSURE OF MAMMALIANS TO STRONG 50 HZ	ELECTRIC FIELDS (1) EFFECTS ON THE PROPORTION OF THE DIFFERENT LEU	3128
OSURE OF MAMMALIANS TO STRONG 50 HZ	ELECTRIC FIELDS (2) EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTI	3129
EXTREMELY LOW FREQUENCY, WEAK	ELECTRIC FIELDS AFFECT SCHEDULE-CONTROLLED BEHAVIOUR OF MONKEYS	1169
MALS EXPOSED TO ELF MAGNETIC AND/OR	ELECTRIC FIELDS AND CURRENTS	1781
MARINE	ELECTRIC FIELDS AND FISH ORIENTATION	0336
UMAN ERYTHROCYTES IN HIGH-FREQUENCY	ELECTRIC FIELDS AND ITS RELATION TO THEIR AGE	1692
	ELECTRIC FIELDS AND MAGNETIC FLUX UNDER EHV OVERHEAD POWER TRANSMI	0166
RHYTHMS UNDER THE INFLUENCE OF WEAK	ELECTRIC FIELDS AND THE DIFFERENT ASPECTS OF THESE STUDIES	2123
ICONDUCTORS WHICH SHOW UP IN STRONG	ELECTRIC FIELDS FOR DETECTING EMISSION IN THE MILLIMETER AND SUBMI	2343
RADIO-FREQUENCY	ELECTRIC FIELDS FOR STORED GRAIN INSECT CONTROL	0978
NG EFFECTIVENESS OF RADIO-FREQUENCY	ELECTRIC FIELDS FOR STORED-GRAIN INSECT CONTROL	0983
STRUCTURAL TRANSITION PRODUCED BY	ELECTRIC FIELDS IN AQUEOUS SODIUM DEORYRIBONUCLEATE	3211
DETERMINATION OF EXPOSURE TO	ELECTRIC FIELDS IN EXTRA HIGH VOLTAGE SUBSTATIONS	1644
RATIONAL ANALYSIS OF	ELECTRIC FIELDS IN LIVE LINE WORKING	0968
THE MEASUREMENT OF	ELECTRIC FIELDS IN LIVE LINE WORKING	0970
BEHAVIORAL EFFECTS OF STRONG 60-HZ	ELECTRIC FIELDS IN RATS	0373
THE BIOLOGICAL EFFECT OF THE	ELECTRIC FIELDS OF HIGH-TENSION LINES ON MAN (IN GERMAN)	2406
INFLUENCE OF ALTERNATING	ELECTRIC FIELDS OF TECHNICAL FREQUENCY ON CHICKEN EMBRYOS	2351
ART I (THE EFFECTS OF LOW FREQUENCY	ELECTRIC FIELDS ON AMOEBAE AND THEIR USES AS TOOLS FOR STUDYING CE	0636
EFFECTS OF WEAK	ELECTRIC FIELDS ON BEHAVIOR AND EEG OF LABORATORY ANIMALS	2418
EFFECTS OF CONTINUOUS AND PULSATING	ELECTRIC FIELDS ON BRAIN WAVE ACTIVITY IN RATS	1010
EFFECT OF LOW-LEVEL, LOW-FREQUENCY	ELECTRIC FIELDS ON EEG AND BEHAVIOR IN MACACA NEMESTRINA	0831
Y IN THE USSR OF MEDICAL EFFECTS OF	ELECTRIC FIELDS ON ELECTRIC POWER SYSTEMS	3156
EFFECT OF	ELECTRIC FIELDS ON GROWTH RATE OF EMBRYONIC CHICK TIBIAE IN VITRO	0592
EFFECTS OF LOW LEVEL, LOW FREQUENCY	ELECTRIC FIELDS ON HUMAN REACTION TIME	1032
EFFECTS OF	ELECTRIC FIELDS ON LARGE ANIMALS	0269
EFFECTS OF	ELECTRIC FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY	0738
TRANSFER SYSTEM, PART I: EFFECT OF	ELECTRIC FIELDS ON LIVING ORGANISMS	0696
EFFECTS OF 45 HZT, 60 HZ AND 75 HZ	ELECTRIC FIELDS ON NEUROPHYSIOLOGY AND BEHAVIOR OF MONKEYS, PHASE	1373
EXPOSURE TO EXTREMELY LOW FREQUENCY	ELECTRIC FIELDS ON RATS	1421
EFFECTS OF WEAK ELF	ELECTRIC FIELDS ON SCHEDULE CONTROLLED BEHAVIOR OF MONKEYS	2162
FECT OF EXPOSURE TO RADIO-FREQUENCY	ELECTRIC FIELDS ON SEED-BORNE MICROORGANISMS	1921
BIOLOGICAL EFFECTS OF HIGH STRENGTH	ELECTRIC FIELDS ON SMALL LABORATORY ANIMALS	0431
ENVIRONMENTAL IMPACT OF 60-HZ	ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS	2833
CAL EFFECTS OF HIGH-INTENSITY 60-HZ	ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS AND ANIMAL	2791
EFFECT OF MAGNETIC AND	ELECTRIC FIELDS ON THE GROWTH AND RATE OF MUTATIONS OF VARIOUS MIC	1593
EFFECTS OF HIGH-FREQUENCY	ELECTRIC FIELDS ON THE LIVING CELL, I. BEHAVIOUR OF HUMAN ERYTHROC	1692
EFFECTS OF 60 HZ ENVIRONMENTAL	ELECTRIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYSTEM	0211
ONTINUOUS EXPOSURE TO LOW FREQUENCY	ELECTRIC FIELDS ON THREE GENERATIONS OF MICE: A PILOT STUDY	0674
REBRAL TISSUE TO WEAK ENVIRONMENTAL	ELECTRIC FIELDS OSCILLATING AT LOW FREQUENCY	0819
AN EXAMINATION OF	ELECTRIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES	2609
TERACTION OF STATIC AND ALTERNATING	ELECTRIC FIELDS WITH BIOLOGICAL SYSTEMS	3605
REQUENCY LOW INTENSITY MAGNETIC AND	ELECTRIC FIELDS: EXPERIMENT 2	3274
BIOLOGICAL EFFECTS OF HIGH VOLTAGE	ELECTRIC FIELDS: BIBLIOGRAPHY AND SURVEY OF ONGOING WORK, 1975	2252
REQUENCY-LOW INTENSITY MAGNETIC AND	ELECTRIC FIELDS: EXPERIMENT 1	0764
REQUENCY-LOW INTENSITY MAGNETIC AND	ELECTRIC FIELDS: EXPERIMENT 2	0765
REQUENCY-LOW INTENSITY MAGNETIC AND	ELECTRIC FIELDS: EXPERIMENT 3	0766
OCEANIC	ELECTRIC FIELDS: PERCEPTION BY AMERICAN EELS?	1851
EHV	ELECTRIC FIELDS: THE NEW RADIATION SCARE	3609
EHV	ELECTRIC FIELDS: THE NEW RADIATION SCARE	3241
AND SCHOOLING BEHAVIOR IN A WEAKLY	ELECTRIC FISH, MARCUSENIUS CYPRINOIDES L. (MORMYRIFORMES)	1176

WEAK	ELECTRIC GRADIENTS CHANGE IONIC AND TRANSMITTER FLUXES IN CORTEX	1493
	ELECTRIC IMPULSE THERAPY OF IMPOTENCE (IN RUSSIAN)	2862
CHANGES IN RIBOSOMAL RNA INDUCED BY	ELECTRIC IMPULSES	1386
THE PATHOPHYSIOLOGY OF ACUTE	ELECTRIC INJURIES	2321
SIBILITIES OF LONG- AND SHORT-RANGE	ELECTRIC INTERACTIONS OF BIOLOGICAL SYSTEMS	2426
THE INFLUENCE OF	ELECTRIC POTENTIALS ON PLATED BONES	2772
	ELECTRIC POWER AND THE ENVIRONMENT	3275
N FROM GAP-TYPE SPARK DISCHARGES ON	ELECTRIC POWER DISTRIBUTION LINES	3181
DICAL EFFECTS OF ELECTRIC FIELDS ON	ELECTRIC POWER SYSTEMS	3156
NCY (LONG WAVE) EMR ASSOCIATED WITH	ELECTRIC POWER TRANSMISSION	1195
A PARAMETER CONSIDERED IN DESIGNING	ELECTRIC POWER TRANSMISSION OF 750-1150 KV: THE MEASURING METHODS,	3587
NFLUENCE OF EXTREMELY LOW FREQUENCY	ELECTRIC PROCESSES IN THE ATMOSPHERE OF MAN (IN GERMAN)	2624
NFLUENCE OF EXTREMELY LOW FREQUENCY	ELECTRIC PROCESSES IN THE ATMOSPHERE OF THE WORLD (IN GERMAN)	2625
EFFECT OF '	ELECTRIC RAY' OVEN EXPOSURE ON SYSTEMIC LUPUS ERYTHEMATOSUS	2012
OSURE TO RADIO FREQUENCY FIELDS AND	ELECTRIC SHOCK	0527
HUMAN THRESHOLDS OF	ELECTRIC SHOCK AT POWER TRANSMISSION FREQUENCIES	2022
EFFECT OF	ELECTRIC SHOCK ON SEROTONIN (5 HT) CONTENT IN DIFFERENT ORGANS OF	2227
UNILATERAL	ELECTRIC SHOCK. ACUTE AND CHRONIC EXPERIMENTAL EEG'S ON RABBIT (IN	1892
	ELECTRIC SIGNALS AND SCHOOLING BEHAVIOR IN A WEAKLY ELECTRIC FISH,	1176
SH: CERTAIN SPECIES OF FISH PRODUCE	ELECTRIC SIGNALS THAT ARE USED FOR IDENTIFICATION, AGGREGATION, AN	0502
THE MENACE OF	ELECTRIC SMOG	0385
	ELECTRIC STIMULATION OF BONE GROWTH AND REPAIR: A REVIEW OF DIFFER	0158
EFFECT OF LOW-FREQUENCY	ELECTRIC STIMULATION OF THE CAUDATE NUCLEUS ON THE CORTICAL ELECTR	1406
ANSMISSION AND DISTRIBUTION FOR THE	ELECTRIC UTILITY INDUSTRY	3166
RESEARCH AND DEVELOPMENT FOR THE	ELECTRIC UTILITY INDUSTRY 1975-2000	3165
COHERENT	ELECTRIC VIBRATIONS IN BIOLOGICAL SYSTEMS AND THE CANCER PROBLEM	0042
ISIBLE THREAT: THE STIFLED STORY OF	ELECTRIC WAVES	0315
AN EFFECT OF SHORT	ELECTRIC WAVES ON DIPHTHERIA TOXIN INDEPENDENT OF THE HEAT FACTOR	0531
OF ELECTROMAGNETIC FIELD IN CONTACT	ELECTRIC WELDING	0210
MEASUREMENT OF	ELECTRIC- AND MAGNETIC-FIELD STRENGTHS FROM INDUSTRIAL RADIO-FREQU	0402
	ELECTRIC-FIELD DISTRIBUTION ALONG FINITE LENGTH LOSSY DIELECTRIC S	1645
THE	ELECTRIC-FIELD PROBE NEAR A MATERIAL INTERFACE WITH APPLICATION TO	0093
EVALUATION OF AN IMPLANTABLE	ELECTRIC-FIELD PROBE WITHIN FINITE SIMULATED TISSUES	2731
A NEW NEAR-ZONE	ELECTRIC-FIELD-STRENGTH METER	3527
	ELECTRICAL & BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW	0083
(2) EFFECTS ON HEART'S AND BRAIN'S	ELECTRICAL ACTIVITY	3129
ALOGRAPHY: DETECTION OF THE BRAIN'S	ELECTRICAL ACTIVITY WITH A SUPERCONDUCTING MAGNETOMETER	2101
PROCEEDINGS OF THE WORKSHOP ON	ELECTRICAL AND BIOLOGICAL EFFECTS RELATED TO HVDC TRANSMISSION	0300
ON THE ROLE OF	ELECTRICAL AND MAGNETIC FIELDS IN THE VITAL ACTIVITIES OF BIOLOGIC	0763
THE EFFECT OF	ELECTRICAL AND MAGNETIC FIELDS ON THE VITAL ACTIVITY OF ORGANISMS	3507
LAGE CYCLIC AMP CHANGES PRODUCED BY	ELECTRICAL AND MECHANICAL PERTURBATIONS	2777
EHAVIOURAL AND BIOLOGICAL RESEARCH:	ELECTRICAL AND STRUCTURAL MODIFICATIONS, CALORIMETRIC, DOSIMETRY,	1713
	ELECTRICAL ASPECTS OF TRANSURETHRAL RESECTION OF PROSTATE WITH HIG	2642
	ELECTRICAL BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DEL	2403
	ELECTRICAL CALLUS AND CALLUS FORMATION BY ELECTRET	2775
EFFECT OF MAGNETIC FIELD ON THE	ELECTRICAL CONDUCTIVITY OF CHICKEN EGG PROTEINS AND YOLK DURING EA	0219
VIRUS-CONTAINING WATER BY MEANS OF	ELECTRICAL CURRENT (IN RUSSIAN)	2598
DISTRIBUTION OF APPLIED	ELECTRICAL CURRENT IN THE SPINAL CORD AND ITS EFFECTS ON EVOKED PO	1886
THE INFLUENCE OF	ELECTRICAL CURRENT ON AN INFECTING MICROORGANISM IN WOUNDS	2243
EFFECT OF IMPULSE	ELECTRICAL CURRENT ON REPARATIVE REGENERATION OF THE BONE TISSUE (	2075
EFFECTS OF LOW FREQUENCY	ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS	0864
EFFECTS OF LOW FREQUENCY	ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS	3276
NVULSIONS IN RATS BY HIGH FREQUENCY	ELECTRICAL CURRENTS	1991
F CELLULAR ORIENTATION BY LOW-LEVEL	ELECTRICAL CURRENTS	2235
EFFECTS OF SMALL	ELECTRICAL CURRENTS ON COLLAGEN IN SOLUTION	0854
THE EFFECTS OF MINUTE DIRECT	ELECTRICAL CURRENTS ON CULTURED CHICK EMBRYO TRIGEMINAL GANGLIA	3267
L EVALUATION OF THE EFFECT OF SMALL	ELECTRICAL CURRENTS ON THE HEALING OF JAW FRACTURES	2780
	ELECTRICAL DISCHARGE INFLUENCE UPON A MAN	1936
SHIP OF THE ATMOSPHERIC SPECTRUM OF	ELECTRICAL DISCHARGES AND THE BIOLOGICAL ACTIVITY OF LIVING ORGANI	2724
DISINFECTING EFFECT OF PULSED	ELECTRICAL DISCHARGES ON BINARY BACTERIAL SUSPENSION (IN RUSSIAN)	2725
	ELECTRICAL EFFECTS IN BONE	0645
EASE OF TAURINE FROM CAT BRAIN: THE	ELECTRICAL EFFECTS OF TAURINE ON NORMAL AND SEIZURE PRONE CORTEX	1517
	ELECTRICAL EFFECTS OF TRANSMISSION LINES	3158
T OF SOFT-TISSUE INJURIES BY PULSED	ELECTRICAL ENERGY	1829
D ULTRASTRUCTURAL INVESTIGATIONS OF	ELECTRICAL ENHANCEMENT OF BONE HEALING	2244

	ELECTRICAL ENHANCEMENT OF HEALING IN COMBAT INJURIES TO HARD AND S	1428
THE	ELECTRICAL ENHANCEMENT OF PERIOSTEAL PROLIFERATION IN NORMAL AND D	2782
EVALUATION OF	ELECTRICAL ENVIRONMENTAL EFFECTS OF A PROPOSED +400 KV DC HIGH VOL	3167
S IN THE STANDARDISATION OF MEDICAL	ELECTRICAL EQUIPMENT	2309
	ELECTRICAL FIELD AS A PARAMETER CONSIDERED IN DESIGNING ELECTRIC P	3587
	ELECTRICAL FIELD DISTRIBUTION IN THE HUMAN BODY	0869
ANISM OF INTERACTION OF ALTERNATING	ELECTRICAL FIELD OF INDUSTRIAL FREQUENCY WITH THE HUMAN AND ANIMAL	3411
EFFECT OF UHF	ELECTRICAL FIELD ON THE BLOOD CLOTTING SYSTEM IN ANIMALS (IN RUSSI	2226
EFFECTS OF HEAVY METAL IONS AND	ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CEL	0015
NSES OF ESOPHAGEAL SMOOTH MUSCLE TO	ELECTRICAL FIELD STIMULATION	2548
EFFECTS OF	ELECTRICAL FIELD STIMULATION ON ION TRANSPORT BY RABBIT ILEUM IN V	2525
MECHANICAL MASSAGE WITH	ELECTRICAL FIELD: A NEW COMBINATION THERAPY (IN GERMAN)	2144
AL-PLATE GROWTH IN VARIOUS CONSTANT	ELECTRICAL FIELDS	0640
LARIZATION OF FUCOID EGGS BY STEADY	ELECTRICAL FIELDS	0643
ICE UNDER FARADAY CONDITIONS AND IN	ELECTRICAL FIELDS (IN GERMAN)	2637
OGICAL HAZARDS FROM EXPOSURE TO ELF	ELECTRICAL FIELDS AND POTENTIALS	0965
DO	ELECTRICAL FIELDS HAVE BIOLOGICAL EFFECT? (IN DUTCH)	2582
SOME EFFECTS OF HIGH	ELECTRICAL FIELDS ON BARLEY GROWTH	1978
CATCH SELECTIVITY BY	ELECTRICAL FISHING SYSTEMS	0934
ON AND CONTROL SYSTEM INFLUENCED BY	ELECTRICAL FORCES	1049
	ELECTRICAL FRACTURE HEALING	2245
	ELECTRICAL IMPEDANCE OF THE HUMAN BODY	0996
	ELECTRICAL IMPEDANCE OF THE HUMAN BODY FOR HF (2-30 MHZ) BAND (INI	2142
THE	ELECTRICAL INDUCTION OF CALLUS FORMATION AND EXTERNAL SKELETAL FIX	2781
THE NATURAL HISTORY OF	ELECTRICAL INJURY	2535
FLUX AND SLOWED GASTRIC EMPTYING BY	ELECTRICAL PACING OF THE CANINE DUODENAL PACESETTER POTENTIAL	1840
	ELECTRICAL PARAMETER VALUES OF SOME HUMAN TISSUES IN THE RADIOFREQ	0310
RANGE, REPORT 2. METHODS OF GAUGING	ELECTRICAL PARAMETERS OF BIOLOGICAL INTEREST	3488
	ELECTRICAL PARAMETERS OF BIOLOGICAL TISSUE IN THE MICROWAVE RANGE	3488
	ELECTRICAL PARAMETERS OF PRECISION COAXIL, AIR DIELECTRIC TRANSMIS	3530
SYNOPSIS OF	ELECTRICAL PATIENT SAFETY	2278
E STIMULATION OF BONE HEALING USING	ELECTRICAL PHENOMENA	0288
RESEARCH ON THE EFFECTS OF	ELECTRICAL POWER INDUSTRY FIELDS ON MAN	1889
THE EFFECTS OF	ELECTRICAL POWER TRANSMISSION RIGHTS- OF-WAY ON SMALL MAMMAL DISTR	0184
TERACTIONS WITH BIOLOGICAL SYSTEMS:	ELECTRICAL PROPERTIES AND BIOPHYSICAL MECHANISMS	0393
	ELECTRICAL PROPERTIES MEASURED WITH ALTERNATING CURRENTS: BODY TIS	3381
	ELECTRICAL PROPERTIES OF BOUND WATER	3209
PASSIVE	ELECTRICAL PROPERTIES OF MICROORGANISMS III. CONDUCTIVITY OF ISOLA	1915
PASSIVE	ELECTRICAL PROPERTIES OF MICROORGANISMS IV. STUDIES OF THE PROTOPL	1916
PASSIVE	ELECTRICAL PROPERTIES OF MICROORGANISMS V. LOW-FREQUENCY DIELECTRI	1917
DETERMINING THE	ELECTRICAL PROPERTIES OF NORMAL AND MALIGNANT BIOLOGICAL TISSUE IN	3142
	ELECTRICAL PROPERTIES OF TISSUE AND CELL SUSPENSIONS	1119
	ELECTRICAL PROPERTIES OF TISSUE AND CELL SUSPENSIONS	3380
PHANTOM MODELS OF MAN AND MEASURED	ELECTRICAL PROPERTIES OF TISSUE MATERIALS	1293
INARY IN-VIVO PROBE MEASUREMENTS OF	ELECTRICAL PROPERTIES OF TUMORS IN MICE	2455
	ELECTRICAL PROPERTIES OF WET COLLAGEN	2089
	ELECTRICAL REACTION OF THE RABBIT CEREBRAL CORTEX TO VARIOUS EM FI	2000
THE	ELECTRICAL RESISTIVITY OF AQUEOUS CYTOPLASM	2540
FUNDAMENTALS OF	ELECTRICAL SAFETY	2404
	ELECTRICAL SAFETY IN HEALTH-CARE FACILITIES	2357
	ELECTRICAL SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS	3428
	ELECTRICAL STIMUALTION OF RABBIT AND LAMB CARCASSES	1882
FUNCTIONAL	ELECTRICAL STIMULATION	0078
TOR SYNTHESIS IN MUSCLE CULTURES BY	ELECTRICAL STIMULATION	0672
OLATED TERMINAL GUINEA-PIG ILEUM TO	ELECTRICAL STIMULATION	1875
FORCE IN ELDERLY SUBJECTS CAUSED BY	ELECTRICAL STIMULATION	3402
PHANTOM LIMB PAIN TREATED BY	ELECTRICAL STIMULATION	3420
METHODS OF PAIN MODULATION BY	ELECTRICAL STIMULATION (IN GERMAN)	1793
SURFACE	ELECTRICAL STIMULATION (TRANSCUTANEOUS) FOR THE RELIEF OF PAIN	1677
	ELECTRICAL STIMULATION AND OXYGEN TENSION	2234
GICAL EFFECTS OF ELECTRIC CURRENTS:	ELECTRICAL STIMULATION AND THERAPY	1682
	ELECTRICAL STIMULATION FOR THE CONTROL OF PAIN	2647
	ELECTRICAL STIMULATION FOR VOIDING DYSFUNCTION AFTER SPINAL CORD I	0009
USE OF TRANSCUTANEOUS	ELECTRICAL STIMULATION IN THE CONTROL OF POSTOPERATIVE PAIN	1926
	ELECTRICAL STIMULATION OF ARTICULAR CARTILAGE REGENERATION	2238

MECHANISM OF	ELECTRICAL STIMULATION OF BONE FORMATION	2242
THE	ELECTRICAL STIMULATION OF BONE HEALING	0289
	ELECTRICAL STIMULATION OF HUMAN FRACTURE HEALING BY MEANS OF A SLO	2784
PTAKE OF TRITIATED THYMIDINE DURING	ELECTRICAL STIMULATION OF INDUCED CORTICAL BONE DEFECTS	2233
	ELECTRICAL STIMULATION OF OSTEOGENESIS IN PERIODONTAL DEFECTS	2774
X STEROID MODULATION OF RESPONSE TO	ELECTRICAL STIMULATION OF PREOPTIC AREA OR MEDIAN EMINENCE	0635
	ELECTRICAL STIMULATION OF RNA AND PROTEIN SYNTHESIS IN THE FROG ER	1808
MYOSIN SYNTHESIS INCREASED BY	ELECTRICAL STIMULATION OF SKELETAL MUSCLE CELL CULTURES	1017
EFFECT OF	ELECTRICAL STIMULATION OF THE AUTONOMIC NERVE SUPPLY ON THE CONCEN	1699
PAIN RELIEF BY	ELECTRICAL STIMULATION OF THE CENTRAL GRAY MATTER IN HUMANS AND IT	2858
TROCHEMICAL CONSIDERATIONS FOR SAFE	ELECTRICAL STIMULATION OF THE NERVOUS SYSTEM WITH PLATINUM ELECTRO	1907
RACTION LATENCIES TO MECHANICAL AND	ELECTRICAL STIMULATION OF THE PROTOZOAN, SPIROSTOMUM AMBIGUUM	2475
PERIOR COLLICULUS CELL RESPONSES TO	ELECTRICAL STIMULATION OF THE RETINA	2222
EFFECTS OF	ELECTRICAL STIMULATION OF VAGAI NUCLEI IN ANESTHETIZED AND UNANEST	3405
EFFECTS OF	ELECTRICAL STIMULATION ON BONE GROWTH IN VITRO AND ON FRACTURE HEA	2330
THE EFFECT OF	ELECTRICAL STIMULATION ON THE BIOPHYSICAL PROPERTIES OF FRACTURE H	2241
EFFECT OF GRADUALLY MODULATED	ELECTRICAL STIMULATION ON THE PLASTICITY OF ARTIFICIALLY EVOKED MO	2861
A PULSED	ELECTRICAL STIMULATION TECHNIQUE FOR INDUCING BONE GROWTH	2237
	ELECTRICAL STIMULATION WITH PT ELECTRODES: II--ESTIMATION OF MAXIM	0973
DIFFERENTIAL RESPONSE TO	ELECTRICAL STIMULATION: A DISTINCTION BETWEEN INDUCED OSTEOGENESIS	2773
PROGRAMMED SIX-CHANNEL	ELECTRICAL STIMULATOR FOR COMPLEX STIMULATION OF LEG MUSCLES DURIN	0094
TUDIES OF ENHANCED BONE HEALING VIA	ELECTRICAL STIMULI: COMPARATIVE EFFECTIVENESS OF VARIOUS PARAMETER	2771
THE	ELECTRICAL STRENGTH OF LARGE AIR GAPS AND THE SELECTION OF LINE IN	3591
STRESS-RESISTANT HAMPSHIRE PIGS TO	ELECTRICAL STRESS, I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS	0199
STRESS-RESISTANT HAMPSHIRE PIGS TO	ELECTRICAL STRESS, II. EFFECTS ON BLOOD CELLS AND BLOOD MINERALS	0144
	ELECTRICAL SUBSTITUTES FOR HUMAN TISSUE	3349
POLLUTION BY	ELECTRICAL TRANSMISSION--THE ENVIRONMENTAL IMPACT OF HIGH VOLTAGE	0668
IO MOLITOR FOLLOWING RADIOFREQUENCY	ELECTRICAL TREATMENT (COLEOPTERA: TENEBRIONIDAE)	1927
	ELECTRICAL WIRING CONFIGURATIONS AND CHILDHOOD CANCER	0105
HEALING FRACTURES	ELECTRICALLY	1833
EVIDENCE FOR	ELECTRICALLY INDUCED PARTIAL STRAND SEPARATION OF DNA	2225
INTERDISCIPLINARY APPROACHES IN	ELECTRICALLY MEDIATED BONE GROWTH STUDIES	2240
A COMPARISON OF	ELECTRICALLY SHORT BARE AND INSULATED PROBES FOR MEASURING THE LOC	1726
RESPONSE OF	ELECTRICALLY SHORT CABLES TO TRANSIENT EM FIELDS	0650
S OF AN ELECTRIC FIELD: WHAT CAN AN	ELECTRICIAN SAY ON THIS SUBJECT?	1584
EFFECT OF STATIC	ELECTRICITY ON THE HUMAN ORGANISM UNDER THE CONDITIONS PREVAILING	2076
POSSIBLE INFLUENCE OF ATMOSPHERIC	ELECTRICITY ON WELL-BEING (IN GERMAN)	1627
PUBLIC HEALTH HAZARDS FROM	ELECTRICITY-PRODUCING PLANTS	1799
IFICATION & MEASUREMENT OF INTERNAL	ELECTRO- MAGNETIC FIELDS INDUCED IN FINITE BIOLOGICAL BODIES BY NO	0137
ENOMENA IN THE ACTION OF MILLIMETER	ELECTRO- MAGNETIC WAVES ON BIOLOGIC OBJECTS (IN RUSSIAN)	0294
AL FLUID LEVELS OF ENDORPHINS AFTER	ELECTRO-ACUPUNCTURE	1189
	ELECTRO-ACUPUNCTURE ANALGESIA IN MONKEYS: A BEHAVIORAL AND NEUROPH	2362
	ELECTRO-CORTICO-GRAPHIC MODIFICATIONS AFTER EXPOSURE TO MICROWAVE	1949
BRANES IRRADIATED BY HIGH-FREQUENCY	ELECTRO-MAGNETIC FIELD (IN RUS)	0002
BRANES IRRADIATED BY HIGH-FREQUENCY	ELECTRO-MAGNETIC FIELD (IN RUS)	3433
BIOLOGICAL	ELECTRO-MAGNETIC INTERFERENCE (BEMI)	0243
ION OF THE IMMUNE SYSTEM OF MICE BY	ELECTRO-MAGNETIC RADIATION	3424
PLETE MEASUREMENT OF EM FIELDS WITH	ELECTRO-OPTICAL CRYSTALS	2206
RENTS (ACCORDING TO THE METHOD OF A	ELECTROANALGESIA	3427
F PULSED CURRENTS (BY THE METHOD OF	ELECTROANALGESIA)	0024
POINT	ELECTROANESTHESIA (GENERAL ELECTROPHARMACEUTICAL ANESTHESIA	1224
	ELECTROANESTHESIA FOR MILITARY APPLICATION	1912
ENVIRONMENTAL INFLUENCE OF VARIOUS	ELECTROBIOCLIMATOLOGICAL CONDITIONS (IN GERMAN)	2702
CE OF STRONG MAGNETIC FIELDS ON THE	ELECTROCARDIOGRAM OF SQUIRREL MONKEYS (SAIMIRI SCIUREUS)	2496
CHANGES IN THE	ELECTROCARDIOGRAMS OF RATS AND DOGS EXPOSED TO DC MAGNETIC FIELDS	0232
	ELECTROCHEMICAL CONSIDERATIONS FOR SAFE ELECTRICAL STIMULATION OF	1907
EVALUATION OF	ELECTROCHEMICAL INFORMATION TRANSFER SYSTEM, PART I: EFFECT C. ELE	0696
	ELECTROCLIMATOLOGY (IN GERMAN)	1179
PERCUTANEOUS RADIOFREQUENCY	ELECTROCOAGULATION IN THE CONTROL OF CHRONIC PAIN	0931
RISON OF ENDOSCOPIC CRYOSURGERY AND	ELECTROCOAGULATION OF BRONCHI	2856
	ELECTROCOAGULATION OF GASSER'S GANGLION IN TRIGEMINAL PAINS (IN SP	2859
LONG-TERM EFFECTS OF	ELECTROCONVULSIVE SHOCK THERAPY ON SYNTHESIS TURNOVER AND UPTAKE O	1893
E DEMENTIA ASSOCIATED WITH ABUSE OF	ELECTROCONVULSIVE THERAPY	1311
PROLACTIN RESPONSE TO	ELECTROCONVULSIVE THERAPY	1879
	ELECTROCONVULSIVE THERAPY AND EEG CORRELATES IN DEPRESSIVE DISORDE	1870

S EVIDENCED BY SPECTRAL ANALYSIS OF	ELECTROCORTICOGRAMS FROM THE WHITE RAT	1061
AL NERVOUS SYSTEM OF THE WHITE RAT.	ELECTROCORTICOGRAPHICAL MODIFICATIONS (IN FRENCH)	2628
	ELECTROCUTANEOUS NERVE STIMULATION-II: STIMULUS WAVE-FORM SELECTIO	0067
PAIN SENSATIONS ASSOCIATED WITH	ELECTROCUTANEOUS STIMULATION	1245
F THE DURATION OF 60 HZ CURRENT AND	ELECTRODE AREA	1520
AN RF DECOUPLED	ELECTRODE FOR MEASUREMENT OF BRAIN TEMPERATURE DURING MICROWAVE EX	2383
A MICROWAVE DECOUPLED	ELECTRODE FOR THE ELECTROENCEPHALOGRAM	0728
EFFECTS OF	ELECTRODE PLACEMENT ON STIMULATION OF ADULT FROG LIMB REGENERATION	2239
NONMETALLIC	ELECTRODE SYSTEM FOR RECORDING EEG AND ECG IN ELECTROMAGNETIC FIEL	1163
A PASSIVE	ELECTRODELESS METHOD FOR DETERMINING THE INTERIOR FIELD OF BIOLOGI	1235
SIS OBTUSA CELLS WITH INTRACELLULAR	ELECTRODES	0870
OF THE NERVOUS SYSTEM WITH PLATINUM	ELECTRODES	1907
IMPLANTATION OF CHRONIC STIMULATING	ELECTRODES FOR PAIN CONTROL	1878
NEW ARTIFACT-FREE	ELECTRODES FOR RECORDING OF BIOLOGICAL POTENTIALS IN STRONG EM FIE	2743
ELECTRICAL STIMULATION WITH PT	ELECTRODES : II--ESTIMATION OF MAXIMUM SURFACE REDOX (THEORETICAL N	0973
CROWAVE DECOUPLED ELECTRODE FOR THE	ELECTROENCEPHALOGRAM	0728
ERATOR OF ALPHA RHYTHM IN THE HUMAN	ELECTROENCEPHALOGRAM	0731
ENCY AND MICROWAVE EFFECTS ON HUMAN	ELECTROENCEPHALOGRAM AND BEHAVIOR	0132
EM PULSE ON AVOIDANCE BEHAVIOR AND	ELECTROENCEPHALOGRAM OF A RHESUS MONDEY	0999
CHANGES IN THE RABBIT	ELECTROENCEPHALOGRAM UNDER THE THE INFLUENCE OF A STEADY MAGNETIC	0064
	ELECTROENCEPHALOGRAPHIC AND MORPHOLOGICAL INVESTIGATIONS ON THE IN	1945
	ELECTROENCEPHALOGRAPHIC CHANGES UNDER THE INFLUENCE OF LOW INTENSI	1445
	ELECTROENCEPHALOGRAPHIC DATA OBTAINED DURING LONG EXPOSURE TO EM R	1343
	ELECTROENCEPHALOGRAPHIC STUDIES IN PERSONS EXPOSED TO MICROWAVES (	1944
EXPERIMENTAL MORPHOLOGIC AND	ELECTROENCEPHALOGRAPHIC STUDIES OF MICROWAVE EFFECTS ON THE NERVOU	1063
A QUANTITIATIVE	ELECTROENCEPHALOGRAPHIC STUDY OF THE ACUTE EFFECTS OF X-BAND MICRO	1252
TECHNIQUE FOR DERIVING	ELECTROGRAMS OF THE HEART OF THE INTACT FROG DURING EXPOSURE TO SU	2809
	ELECTROGRAPHIC DATA ON THE EFFECTS OF VERY WEAK MICROWAVES AT THE	1444
AL IONS AND ELECTRICAL FIELD ON THE	ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN)	0015
S ON SPECIALIZED APPETITE FORMS AND	ELECTROLYTE LEVELS OF THE BLOOD AND URINE IN RATS	1357
STATE OF THE KNOWLEDGE FOR	ELECTROMAGNETIC ABSORBED DOSE IN MAN AND ANIMALS	0403
	ELECTROMAGNETIC ABSORPTION IN A MULTILAYERED MODEL OF MAN	0127
HEATING OF FAT-MUSCLE LAYERS BY	ELECTROMAGNETIC AND DIATHERMY	3374
THE EFFECT OF	ELECTROMAGNETIC AND MAGNETIC FIELDS ON THE CENTRAL NERVOUS SYSTEM	3070
COMPARATIVE EVALUATION OF	ELECTROMAGNETIC AND ULTRASONIC DIATHERMY	3534
HERAPEUTIC HEATING DUE TO A GENERAL	ELECTROMAGNETIC APERTURE SOURCE	3326
INTERNATIONAL	ELECTROMAGNETIC COMPABILITY SYMPOSIUM RECORD	2982
	ELECTROMAGNETIC COMPATIBILITY - AN OVERVIEW	3025
	ELECTROMAGNETIC COMPATIBILITY OF CARDIAC PACEMAKERS	2270
COMPARATIVE EVALUATION OF	ELECTROMAGNETIC DIATHERMY MODALITIES IN 433 MHZ. TO 2450 MHZ	3327
ELECTROSTATIC AND	ELECTROMAGNETIC EFFECTS OF OVERHEAD TRANSMISSION LINES	3173
	ELECTROMAGNETIC EFFECTS OF OVERHEAD TRANSMISSION LINES, PRATICAL P	3104
BEHAVIORAL EFFECTS OF	ELECTROMAGNETIC ENERGY	2658
AL PROGRAM ON BIOLOGICAL EFFECTS OF	ELECTROMAGNETIC ENERGY	3002
NUMERICAL CALCULATION OF	ELECTROMAGNETIC ENERGY AND TEMPERATURE DISTRIBUTION IN A MICROWAVE	0295
NUMERICAL STUDIES OF ABSORPTION OF	ELECTROMAGNETIC ENERGY BY MAN	0153
AN	ELECTROMAGNETIC ENERGY COUPLER FOR MEDICAL APPLICATIONS	0305
THE ABSORPTION OF	ELECTROMAGNETIC ENERGY IN BODY TISSUES PART I BIOPHYSICAL ASPECTS	3324
THE ABSORPTION OF	ELECTROMAGNETIC ENERGY IN BODY TISSUES. PART II. PHYSIOLOGICAL AND	2945
NCTIONS REFERABLE TO THE EFFECTS OF	ELECTROMAGNETIC ENERGY IN THE SUPERHIGH-FREQUENCY RANGE ON CYTOCHE	0061
EFFECTS OF	ELECTROMAGNETIC ENERGY ON MAN	2977
STUDIES ON THERAPEUTIC HEATING BY	ELECTROMAGNETIC ENERGY	3318
AIRBORNE (0.4 TO 10 GHZ)	ELECTROMAGNETIC ENVIRONMENT SURVEY OF U.S.A. URBAN AREAS	3153
ELECTROSTATIC AND	ELECTROMAGNETIC ENVIRONMENTAL CRITERIA FOR EHV OVERHEAD TRANSMISSI	3169
ITE BIOLOGICAL BODIES BY NONUNIFORM	ELECTROMAGNETIC FEILDS	0137
	ELECTROMAGNETIC FIELD AND THE LIVING ENVIRONMENT	3481
ND ACTIVITY DOES NOT RESPOND TO ELF	ELECTROMAGNETIC FIELD EXPOSURES	0164
MEASUREMENT OF	ELECTROMAGNETIC FIELD IMMUNITY	2617
TENTIAL TEMPERATURE RISE INDUCED BY	ELECTROMAGNETIC FIELD IN BRAIN TISSUES	0016
CLINICAL FEATURES OF THE EFFECT OF	ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING	0210
EFFECT OF LOW-INTENSITY	ELECTROMAGNETIC FIELD OF ULTRA HIGH FREQUENCY RANGE ON THE COURSE	0344

ENCE OF SUPER-HIGH FREQUENCY PULSED	ELECTROMAGNETIC	FIELD ON CONCEPTION AND THE COURSE OF PREGNANCY IN	2875
	ELECTROMAGNETIC	FIELD PROBES	3531
	ELECTROMAGNETIC	FIELD PROBES	3532
	ELECTROMAGNETIC	FIELD STRENGTH FOR FREQUENCIES BELOW 1000 MHZ IN R	3561
NTENSITY PULSED 9,400 MHZ MICROWAVE	ELECTROMAGNETIC	FIELD	0415
L EFFECT OF A LOW- FREQUENCY PULSED	ELECTROMAGNETIC	FIELD	3245
N VISION OF EXTREMELY LOW FREQUENCY	ELECTROMAGNETIC	FIELDS	0353
SYSTEM FOR RECORDING EEG AND ECG IN	ELECTROMAGNETIC	FIELDS	1163
OLOGICAL EFFECTS OF RADIO-FREQUENCY	ELECTROMAGNETIC	FIELDS	2254
ES OF THE CENTRAL NERVOUS SYSTEM TO	ELECTROMAGNETIC	FIELDS	2480
THE BIOLOGICAL EFFECT OF	ELECTROMAGNETIC	FIELDS	2491
CENTRAL MECHANISM OF ACTION OF	ELECTROMAGNETIC	FIELDS	2492
BIOLOGICAL EFFECTS OF	ELECTROMAGNETIC	FIELDS	2542
IC EXPOSURE TO SUPER-HIGH FREQUENCY	ELECTROMAGNETIC	FIELDS	2553
THE ACTION OF SUPER-HIGH FREQUENCY	ELECTROMAGNETIC	FIELDS	2560
SAFETY AND	ELECTROMAGNETIC	FIELDS	2984
UNDER THE EFFECTS OF RADIOFREQUENCY	ELECTROMAGNETIC	FIELDS	3026
ULTRAHIGH, AND SUPERHIGH FREQUENCY	ELECTROMAGNETIC	FIELDS	3109
IUM FROM CHICKEN CEREBRAL TISSUE BY	ELECTROMAGNETIC	FIELDS	3395
GAGED IN RESEARCH ON THE EFFECTS OF	ELECTROMAGNETIC	FIELDS	3577
BIOLOGIC EFFECTS OF	ELECTROMAGNETIC	FIELDS (IN GERMAN)	0320
DEN AND UNEXPECTED INFANT DEATH AND	ELECTROMAGNETIC	FIELDS (IN GERMAN)	2643
WEEN MICROWAVES AND MILLIMETER-WAVE	ELECTROMAGNETIC	FIELDS AND BIOLOGIC SYSTEMS: MOLECULAR MECHANISMS	3269
	ELECTROMAGNETIC	FIELDS AND LIFE	2247
	ELECTROMAGNETIC	FIELDS AND POWER DEPOSITION IN BODY- OF-REVOLUTION	0097
	ELECTROMAGNETIC	FIELDS AND RELATIVE HEATING PATTERNS DUE TO A RECT	2947
	ELECTROMAGNETIC	FIELDS AND THE LIFE ENVIRONMENT	2249
ELF EARTH RETURN CIRCUIT	ELECTROMAGNETIC	FIELDS AND THEIR SIMULATION	3080
	ELECTROMAGNETIC	FIELDS IN A DISSIPATIVE HALF-SPACE: A NUMERICAL AP	3285
	ELECTROMAGNETIC	FIELDS IN BIOLOGICAL MEDIA: PT II, THE SCAT PROGRA	0263
IENIC EVALUATION OF RADIO-FREQUENCY	ELECTROMAGNETIC	FIELDS IN POPULATED AREAS	2943
MEASUREMENTS OF	ELECTROMAGNETIC	FIELDS IN THE CLOSE PROXIMITY OF CB ANTENNAS	0028
STUDIES ON THE EXPOSURE OT	ELECTROMAGNETIC	FIELDS IN THE COURSE OF HEAT TREATMENT OF METALS B	3409
	ELECTROMAGNETIC	FIELDS IN THE NEAR VICINITY OF TRANSMISSION LINE T	3172
	ELECTROMAGNETIC	FIELDS IN THE VICINITY OF RADAR THERAPY EQUIPMENT	0077
ANALYSES OF	ELECTROMAGNETIC	FIELDS INDUCED IN BIOLOGICAL TISSUES BY THERMOGRAP	2946
ELECTROPHYSIOLOGICAL EFFECTS OF	ELECTROMAGNETIC	FIELDS ON ANIMALS	3610
TS OF A COMBINATION OF MAGNETIC AND	ELECTROMAGNETIC	FIELDS ON CELLS	3006
EFFECTS OF EXTREMELY LOW FREQUENCY	ELECTROMAGNETIC	FIELDS ON PHYSARUM POLYCEPHALUM	3147
POSSIBLE INFLUENCE OF	ELECTROMAGNETIC	FIELDS ON THE FUNCTION OF PACEMAKERS. (IN CZE)	0356
OEFFECTS OF EXTREMELY LOW FREQUENCY	ELECTROMAGNETIC	FIELDS	0149
OF EXTREMELY LOW FREQUENCY	ELECTROMAGNETIC	FIELDS	0152
RADIOSENSITIVITY IN	ELECTROMAGNETIC	FIELDS	0207
UNDER THE ACTION OF HIGH FREQUENCY	ELECTROMAGNETIC	FIELDS	0231
H EFFECTS FROM AC TRANSMISSION LINE	ELECTROMAGNETIC	FIELDS	0375
ATIONAL EXPOSURE TO RADIO-FREQUENCY	ELECTROMAGNETIC	FIELDS	0405
D THE BIOEFFECTS OF LOW FRE- QUENCY	ELECTROMAGNETIC	FIELDS	0441
E OF RATS EXPOSED TO HIGH FREQUENCY	ELECTROMAGNETIC	FIELDS. (IN RUS.)	0146
EADY MAGNETIC FIELDS IN NONINVASIVE	ELECTROMAGNETIC	FLOWMETRY	0389
OF CANCER CHEMOTHERAPY BY SELECTIVE	ELECTROMAGNETIC	HEATING OF TUMORS	3393
PERATURE PROFILES IN SPHERES DUE TO	ELECTROMAGNETIC	HEATING	0250
RS IN GAIN MEASUREMENTS OF STANDARD	ELECTROMAGNETIC	HORNS	3568
SPACE OSTEOPOROSIS: AN	ELECTROMAGNETIC	HYPOTHESIS	0175
AN INTRODUCTION TO	ELECTROMAGNETIC	INTERACTION HAZARDS OF ELECTROMEDICAL EQUIPMENT	3385
	ELECTROMAGNETIC	INTERACTIONS WITH BIOLOGICAL MATERIALS	3232
	ELECTROMAGNETIC	INTERFERENCE AND RADIATION HAZARDS	2994
ACEMAKERS OF IONIZING RADIATION AND	ELECTROMAGNETIC	INTERFERENCE FROM RADIOTHERAPY MACHINES	3417
ARELLEL PLATE TRANSMISSION LINE FOR	ELECTROMAGNETIC	INTERFERENCE SUSCEPTIBILTY TESTING	3513
CONFERENCE OF PRECISION	ELECTROMAGNETIC	MEASUREMENTS	2974
ION OF WORKERS EXPOSED TO PROLONGED	ELECTROMAGNETIC	METER-WAVE RADIATION	319
PRELIMINARY OBSERVATIONS WITH AN	ELECTROMAGNETIC	METHOD FOR THE NONINVASIVE ANALYSIS OF CELL SUSPEN	0054
CONVERSION OF	ELECTROMAGNETIC	MICROWAVE ENERGY TO PHONON ENERGY	3479
TIME AND AMPLITUDE STATISTICS FOR	ELECTROMAGNETIC	NOISE IN MINES	3562
CT OF DIFFERENT DOSES OF CENTIMETER	ELECTROMAGNETIC	OSCILLATIONS ON BIOCHEMILUMINESCENCE OF THE CNS AN	0071
ACTION BETWEEN A LINEARLY POLARIZED	ELECTROMAGNETIC	PLANE AND A DOUBLE SPHERICAL SHELL	3088

SPHERES DUE TO MEASURED SPECTRA OF	ELECTROMAGNETIC PLANE WAVE	3601
ACTION BETWEEN A LINEARLY POLARIZED	ELECTROMAGNETIC PLANE WAVE AND A DOUBLE SPHERICAL SHELL	3551
INTERACTION BETWEEN AN	ELECTROMAGNETIC PLANE WAVE AND A SPHERICAL SHELL	2959
PROGRAM FOR CONTROL OF	ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BI	0212
PROGRAM FOR CONTROL OF	ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BI	2972
REPORT ON 'PROGRAM FOR CONTROL OF	ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BI	3023
ND REPORT ON PROGRAM FOR CONTROL OF	ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BI	3089
	ELECTROMAGNETIC POLLUTION: IS IT HURTING OUR HEALTH?	2612
	ELECTROMAGNETIC POWER ABSORPTION IN CYLINDRICAL TISSUE MODELS EXCI	0204
RESONANT	ELECTROMAGNETIC POWER DEPOSITION IN MAN WITH AND WITHOUT GROUND EF	3618
A METALLIC BODY OF REVOLUTION BY AN	ELECTROMAGNETIC PULSE	3175
L ANTENNAS TO HIGH ALTITUDE NUCLEAR	ELECTROMAGNETIC PULSE (EMP)	3098
EFFECTS OF	ELECTROMAGNETIC PULSE (EMP) ON A POWER SYSTEM	3074
THE EFFECTS OF	ELECTROMAGNETIC PULSE (EMP) ON STATE AND LOCAL RADIO COMMUNICATION	3073
AFRRI	ELECTROMAGNETIC PULSE (EMP) SIMULATOR	2085
NONIONIZING	ELECTROMAGNETIC RADIATION	2795
F BIOLOGICAL HAZARDS OF NONIONIZING	ELECTROMAGNETIC RADIATION	3089
NVIRONMENT (CHAPTER 13, NONIONIZING	ELECTROMAGNETIC RADIATION	3136
OLOGICAL EFFECTS OF MILLIMETER-BAND	ELECTROMAGNETIC RADIATION	3581
BIOLOGICAL EFFECTS OF	ELECTROMAGNETIC RADIATION A BIBLIOGRAPHY	2964
TRANSPARENCY IN PERSONS EXPOSED TO	ELECTROMAGNETIC RADIATION AT 27-30 MHZ FREQUENCY	3431
TRENDS IN NONIONIZING	ELECTROMAGNETIC RADIATION BIOEFFECTS RESEARCH AND RELATED OCCUPATI	3392
CHARACTERISTICS OF	ELECTROMAGNETIC RADIATION FROM GAP-TYPE SPARK DISCHARGES ON ELECTR	3181
ANALYSIS OF	ELECTROMAGNETIC RADIATION HAZARDS AT PATUXENT RIVER NAVAL AIR TEST	3596
	ELECTROMAGNETIC RADIATION METER	2949
LIQUID CRYSTAL	ELECTROMAGNETIC RADIATION MONITOR	2375
GICAL, AND TERATOLOGICAL EFFECTS OF	ELECTROMAGNETIC RADIATION ON AN AVIAN SPECIES	0140
EFFECTS OF NON-IONIZING	ELECTROMAGNETIC RADIATION ON BIOLOGICAL MATERIALS: REPORT ON A WOR	3024
EFFECTS OF	ELECTROMAGNETIC RADIATION ON BIOLOGICAL SYSTEMS	2569
AGENCIES REACT TO	ELECTROMAGNETIC RADIATION RISKS	3502
	ELECTROMAGNETIC RADIATION SAFETY	2246
	ELECTROMAGNETIC RADIATION SAFETY IN POLAND	2998
FOR ESTABLISHING A RADIO FREQUENCY	ELECTROMAGNETIC RADIATION SAFETY STANDARD	2915
NON-IONIZING	ELECTROMAGNETIC RADIATION STANDARDIZATION	2689
ULTRAHIGH FREQUENCY	ELECTROMAGNETIC RADIATION UTILIZED FOR AQUATIC VEGETATION CONTROL	3119
F BIOLOGICAL HAZARDS OF NONIONIZING	ELECTROMAGNETIC RADIATION'	3023
AL EFFECTS ON HUMANS OF NONIONIZING	ELECTROMAGNETIC RADIATION	2907
F BIOLOGICAL HAZARDS OF NONIONIZING	ELECTROMAGNETIC RADIATION	2972
BIOLOGICAL EFFECTS OF NONIONIZING	ELECTROMAGNETIC RADIATION: A DIGEST OF CURRENT LITERATURE	0081
BIOLOGICAL EFFECTS OF NONIONIZING	ELECTROMAGNETIC RADIATION: A DIGEST OF CURRENT LITERATURE	0163
D BEHAVORIAL EFFECTS OF NONIONIZING	ELECTROMAGNETIC RADIATIONS	3584
ON FOCUSING	ELECTROMAGNETIC RADIATORS	3295
THREE DIMENSIONAL	ELECTROMAGNETIC SCATTERING FROM A CIRCULAR TUBE OF FINITE LENGTH	3303
	ELECTROMAGNETIC SCATTERING FROM SPHERES WITH SIZES COMPARABLE TO T	3442
	ELECTROMAGNETIC SENSING IN FISH	2416
	ELECTROMAGNETIC SPECTRUM CONGESTION INVESTIGATION	2965
ENT OF EXTRACTION WOUNDS IN DOGS BY	ELECTROMAGNETIC STIMULATION	0209
BY MEASUREMENT OF THE WAVE TILT OF	ELECTROMAGNETIC SURFACE WAVES	3099
INTEGRATED CIRCUIT	ELECTROMAGNETIC SUSCEPTIBILITY INVESTIGATION - PHASE III	3139
SAE COMMITTEE AE-4	ELECTROMAGNETIC SUSCEPTIBILITY TEST PROGRAM ON HEART PACEMAKERS	2272
	ELECTROMAGNETIC TECHNIQUES FOR MEDICAL DIAGNOSIS: A REVIEW	0391
NONIONIZING	ELECTROMAGNETIC WAVE EFFECTS IN BIOLOGICAL MATERIALS AND SYSTEMS	3215
BIOEFFECTS OF	ELECTROMAGNETIC WAVES	0027
ASIBILITY OF STIMULATING NEURONS BY	ELECTROMAGNETIC WAVES	2554
SHIELDING OF	ELECTROMAGNETIC WAVES BY A SPHERICAL SHELL	3357
EFFECT OF SMALL DOSE OF	ELECTROMAGNETIC WAVES ON SOME ORGANS AND SYSTEMS OF MAN (IN RUSSIA	0319
GICAL ACTION OF SUPERHIGH FREQUENCY	ELECTROMAGNETIC WAVES	3252
SMS TO EXPOSURE TO MILLIMETER- BAND	ELECTROMAGNETIC WAVES	3272
H TRENDS ON THE BIOLOGIC EFFECTS OF	ELECTROMAGNETIC WAVES. (IN LZE)	0334
O RESEARCH ON BIOLOGICAL EFFECTS OF	ELECTROMAGNETIC WAVES: PAST PERFORMANCES AND FUTURE CHALLENGES	0080
A MECHANISM FOR HIGH-FREQUENCY	ELECTROMAGNETICAL FIELD-INDUCED BIOLOGICAL DAMAGE?	0262
CYTOFLUOROMETRY OF	ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENTIATION (IN JAP	0068
CAL THERMOMETER FOR MEASUREMENTS OF	ELECTROMAGNETICALLY INDUCED HEATING	2208
WORKSHOP ON FUTURE DIRECTIONS OF	ELECTROMAGNETICS OF CONTINUOUS MEDIA	3058
	ELECTROMAGNETISM	0518

	ELECTROMAGNETISM AND ITS EFFECT ON THE ORGANISM	2129
EDING BEHAVIOUR OF BROWN RATS USING	ELECTROMAGNETISM	0348
CTROMAGNETIC INTERACTION HAZARDS OF	ELECTROMEDICAL EQUIPMENT	3385
FROM AN AUTOMODULATED RELATIVISTIC	ELECTRON BEAM	0956
MAGNETIC ENHANCEMENT OF	ELECTRON DOSE DISTRIBUTION IN A PHANTOM	2537
LIGHT AND	ELECTRON MICROSCOPIC OBSERVATIONS ON HAMSTERS AFTER MICROWAVE IRRA	2439
LIGHT AND	ELECTRON MICROSCOPIC OBSERVATIONS ON THE BLOOD- BRAIN BARRIER AFTE	2678
CELLS I. AN ENZYMATIC AND SCANNING	ELECTRON MICROSCOPY STUDY	0293
NUCLEAR AND	ELECTRON PARAMAGNETIC RESONANCE AND ITS APPLICATION TO BIOLOGY	0832
THWEST RESEARCH INST. ON THE USE OF	ELECTRON PARAMAGNETIC RESONANCE TO EVALUATE THE CHEMICAL AND/OR PH	1581
THERMAL AND	ELECTRONIC CONTRIBUTIONS TO SWITCHING IN MELANINS	1616
GERM-GAS	ELECTRONIC DETECTORS NEEDED	0528
AN EMC STANDARD FOR MEDICAL	ELECTRONIC DEVICES	2831
PERFORMANCE STANDARDS FOR	ELECTRONIC EQUIPMENT AS THEY APPLY TO PERSONNEL EXPOSURE LIMITS TO	3526
EMC DESIGN EFFECTIVENESS IN	ELECTRONIC MEDICAL PROSTHETIC DEVICES	0642
AN	ELECTRONIC METHOD FOR MEASURING THE HEART FREQUENCY OF THE WATERFL	1720
THE USE OF MAGNETIC FIELDS AND	ELECTRONIC NOISE FOR THE THERAPY OF INSOMNIA AND NEUROSIS (IN CZEC	1413
ERAL CONTROL OF HEALTH HAZARDS FROM	ELECTRONIC PRODCUCT RADIATION AND OTHER TYPES OF IONIXING RADIATIO	3035
	ELECTRONIC PRODUCT INVENTORY STUDY, BRH/DEP 70-29 SELECTED NONMEDI	3036
BIOEFFECTS OF NON-IONIZING	ELECTRONIC PRODUCT RADIATION	3183
FOR THE USE OF SELECTED NONMEDICAL	ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES	0756
, BRH/DEP 70-29 SELECTED NONMEDICAL	ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES, BRH/DE	3036
SITY FOR USE OF SELECTED NONMEDICAL	ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES, BRH/DE	3037
CONFERENCE ON BIOLOGICAL EFFECTS OF	ELECTRONIC RADIATING EQUIPMENTS	3453
ICROWAVE EMISSIONS FROM SENSORMATIC	ELECTRONIC SECURITY SYSTEMS	0407
	ELECTRONIC SMOG AS A POTENTIATING FACTOR IN CARDIOVASCULAR DISEASE	1636
	ELECTRONIC STIMULATOR FOR THE AUTOMATIC DETERMINATION OF THE EXCIT	2334
THE IMPORTANCE OF	ELECTRONIC WARFARE TO THE NATIONAL DEFENSE POSTURE	1887
ZARDOUS EM INTERACTION WITH MEDICAL	ELECTRONICS	2287
POINT ELECTROANESTHESIA (GENERAL	ELECTROPHARMACEUTICAL ANESTHESIA	1224
UHF TREATMENT AND CALCIUM	ELECTROPHORESIS IN THE THERAPY OF PYELONEPHRITIS IN CHILDREN (IN R	2072
	ELECTROPHORESIS OF CONCANAVALIN A RECEPTORS ALONG EMBRYONIC MUSCLE	1837
PRELIMINARY CLINICAL TRIALS OF	ELECTROPHORETIC IONIZATION IN THE TREATMENT OF MALIGNANT TUMORS	0023
IGH FREQUENCY EM IRRADIATION ON THE	ELECTROPHORETIC MOBILITY OF ERYTHROCYTES (IN RUSSIAN)	2593
CT OF RADIO-FREQUENCY FIELDS ON THE	ELECTROPHORETIC MOBILITY OF SOME COLLOIDS	0662
CT OF RADIO-FREQUENCY FIELDS ON THE	ELECTROPHORETIC MOBILITY OF SOME COLLOIDS	3221
IC FIELD ON RED BLOOD CELLS: A CELL	ELECTROPHORETIC STUDY	0117
THE	ELECTROPHOTOLUMINESCENCE OF CHLOROPLASTS	3266
	ELECTROPHYSIOLOGICAL ANALYSIS OF RESPONSES OF THE CENTRAL NERVOUS	2480
	ELECTROPHYSIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS ON ANIMALS	3610
	ELECTROPHYSIOLOGICAL EFFECTS OF EM FIELDS ON ANIMALS	0875
	ELECTROPHYSIOLOGICAL EVIDENCE THAT ABNORMAL EARLY VISUAL EXPERIENC	3022
IN VIVO	ELECTROPHYSIOLOGY OF TENDONS AND APPLIED CURRENT DURING TENDON HEA	1679
DOL, AND THEIR COMBINATION WITH THE	ELECTROPULSE ACTION FOR INCREASING THE RESISTANCE TO EXPERIMENTAL	0101
PERIPHERAL	ELECTROSENSE PHYSIOLOGY: A REVIEW OF RECENT FINDINGS	0343
THE NATURE OF	ELECTROSENSING IN THE FISH	1038
TOWARDS A MODEL OF THE	ELECTROSENSORY SYSTEM IN THE FISH	0612
THE EFFECT OF	ELECTROSHOCK ON ENERGY METABOLISM IN CEREBELLAR LAYERS	2638
	ELECTROSHOCK : NEW SCRUTINY	1881
THE EFFECTS OF	ELECTROSLEEP ON INSOMNIA REVISITED	1307
TS OF TRANSCEREBRAL ELECTROTHERAPY (	ELECTROSLEEP) ON STATE ANXIETY ACCORDING TO SUGGESTIBILITY LEVELS	1236
	ELECTROSTATIC AND ELECTROMAGNETIC EFFECTS OF OVERHEAD TRANSMISSION	3173
	ELECTROSTATIC AND ELECTROMAGNETIC ENVIRONMENTAL CRITERIA FOR EHV O	3169
LD MEASUREMENTS AND CALCULATIONS OF	ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES	1006
LD MEASUREMENTS AND CALCULATIONS OF	ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES	3617
	ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--MET	3010
	ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZA	3009
EHV AND UHV	ELECTROSTATIC EFFECTS: SIMPLIFIED DESIGN CALCULATIONS AND PREVENTI	3127
INVESTIGATIONS ON THE EFFECT OF AN	ELECTROSTATIC FIELD FREE OF RESIDUAL WAVES ON THE MOTILITY OF THE	2703
	ELECTROSTATIC FIELD INDUCED CHANGES IN MOUSE SERUM PROTEINS	2050
EFFECT OF	ELECTROSTATIC FIELD ON ANTIBODY SYNTHESIS (IN RUSSIAN)	2229
RESPONSE OF GALLUS CHICKS TO	ELECTROSTATIC FIELDS	2696
	ELECTROSTATIC FIELDS AND SECONDARY GLAUCOMA IN RATS	1112
INFLUENCE OF	ELECTROSTATIC FIELDS ON RESPIRATORY ENZYMES	0382
	ELECTROSTATIC FIELDS, EM FIELDS, AND IONS--MIND/BODY/ ENVIRONMENT	1662

TRANSIENT	ELECTROSTATIC INDUCTION BY EHV TRANSMISSION LINES	3086
	ELECTROSTIMULATION BY SINUSOIDAL MODULATED CURRENT IN INTEGRATED T	0215
THE LAPAROSCOPIST AND	ELECTROSURGERY	1648
	ELECTROSURGERY BURNS AND THE UROLOGIST	1872
ERFORMANCE AND SAFETY STANDARDS FOR	ELECTROSURGICAL DEVICES	1954
ON A NEW METHOD OF RELATIVELY COLD	ELECTROTHERAPY	1821
EFFECTS OF TRANSCEREBRAL	ELECTROTHERAPY (ELECTROSLEEP) ON STATE ANXIETY ACCORDING TO SUGGES	1236
PHYSIOLOGIC EFFECTS OF CEREBRAL	ELECTROTHERAPY CURRENTS	1676
HE SMALL INTESTINE OF THE RAT AFTER	ELECTROTHERMOCOAGULATION OF THE TUBERO-INFUNDIBULAR REGION OF THE	2855
EINWIRKUNG	ELEKTRISCHER WELLEN AUF KOLLOIDE	3487
	ELEKTROKINETIC PROPERTIES OF BLOOD ELEMENTS UNDER THE EFFECT OF PH	2128
ATED FROM O BIOLOGICHESKOM DEYSTVII	ELEKTROMAGNITNYKH POLEY RADIOCHASTOT, NO. 4, 1973, MOSCOW	3126
PLASMA IMPEDANCE	ELEMENT IN AN ACTIVE FABROY-PEROT MICROWAVE RESONATOR	3308
A FINITE	ELEMENT TECHNIQUE FOR CALCULATING INDUCED INTERNAL FIELDS AND POWE	2670
FINITE	ELEMENT-VARIATIONAL CALCULUS APPROACH TO THE DETERMINATION OF EM F	2197
MICROWAVE BIOEFFECTS AND CHANGES IN	ELEMENTARY EXCITABLE STRUCTURES ON EXPOSURE TO VERY LOW INTENSITY	1461
CHANGES IN SOME BLOOD TRACE	ELEMENTS IN PATIENTS AND ACUTE THROMBOPHLEBITIS OF THE LOWER EXTRE	2479
CTIONAL ACTIVITY OF CERTAIN GENETIC	ELEMENTS OF BACTERIAL CELLS	2302
	ELEMENTS OF SIMILARITY IN THE REACTION OF THE LYMPHOID TISSUE TO A	2039
IN THE CELL AND CERTAIN STRUCTURAL	ELEMENTS OF THE CELL	2306
ELEKTROKINETIC PROPERTIES OF BLOOD	ELEMENTS UNDER THE EFFECT OF PHYSICAL FACTORS (IN RUSSIAN)	2128
ZARDS: WHAT WE DON'T KNOW CAN HURT	ELEMENTS , METALLOPROTEINES AND SOME INDICATORS OF OXIDATION- REDUC	2348
	ELEVATION IN RAT BRAIN HISTAMINE CONTENT AFTER FOCUSED MICROWAVE I	2591
ING EFFECT OF MATERIALS IN THE ULF,	ELF AND VLF REGION	1183
NAVY SPONSORED	ELF BIOLOGICAL AND ECOLOGICAL RESEARCH SUMMARY (UPDATE)	1790
NAVY SPONSORED	ELF BIOMEDICAL AND ECOLOGICAL RESEARCH SUMMARY	1431
: OVERVIEW AND STATUS OF THE NAVY'S	ELF COMMUNICATIONS SYSTEM CONCEPT	1667
AND MAGNETIC FIELDS ASSOCIATED WITH	ELF COMMUNICATIONS SYSTEMS	0394
	ELF COUPLING TO BIOSPHERES	1378
	ELF COUPLING TO SPHERICAL MODELS OF MAN AND ANIMALS	1244
	ELF EARTH RETURN CIRCUIT ELECTROMAGNETIC FIELDS AND THEIR SIMULATI	3080
EXPOSURE OF DOMESTIC FOWL TO	ELF ELECTRIC AND MAGNETIC FIELDS	2180
A SMALL	ELF ELECTRIC FIELD PROBE	2280
AN IMPROVED	ELF ELECTRIC FIELD PROBE	2988
EFFECTS OF WEAK	ELF ELECTRIC FIELDS ON SCHEDULE CONTROLLED BEHAVIOR OF MONKEYS	2162
BIOLOGICAL HAZARDS FROM EXPOSURE TO	ELF ELECTRICAL FIELDS AND POTENTIALS	0965
GY AND ACTIVITY DOES NOT RESPOND TO	ELF ELECTROMAGNETIC FIELD EXPOSURES	0164
THE INFLUENCE OF AN	ELF EM ALTERNATING FIELD ON HIGHER ORGANISMS (IN GERMAN)	1180
	ELF EM FIELD EFFECTS ON LIFE FORMS--BIBLIOGRAPHY	2253
F THE BIOLOGICAL EFFECTS OF CERTAIN	ELF EM FIELDS	0991
NT METHODS ASSESSING THE EFFECTS OF	ELF EM FIELDS	1714
EARLY GROWTH OF SUNFLOWERS IN WEAK	ELF EM FIELDS	1758
RGANISM POPULATION DYNAMICS IN WEAK	ELF EM FIELDS	1771
LOGICAL SURVEY OF PLANTS EXPOSED TO	ELF EM FIELDS	1772
-TERM EXPOSURE TO SANGUINE/SEAFARER	ELF EM FIELDS IN NATURE	1647
A STUDY OF THE EFFECT OF	ELF EM FIELDS UPON DROSOPHILA MELANOGASTER	1770
N AND BIOCHEMICAL CHANGES FOLLOWING	ELF EXPOSURE	2636
	ELF FIELD STRENGTH MEASUREMENTS MADE IN CONNECTICUT DURING 1974	3138
COMPATIBILITY OF WEAK MAGNETIC	ELF FIELDS	2832
EFFECTS OF WEAK	ELF FIELDS ON EFFLUX OF CALCIUM AND AN AMINO ACID TRANSMITTER (GAB	1989
OR IN RATS EXPOSED PRENATALLY TO AN	ELF LOW-INTENSITY ROTATING MAGNETIC FIELD	0787
NTS, INSECTS AND MAMMALS EXPOSED TO	ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENTS	1781
AL CHANGES IN ADULT RATS EXPOSED TO	ELF MAGNETIC FIELDS	0785
EPTIBILITY OF CARDIAC PACEMAKERS TO	ELF MAGNETIC FIELDS	1754
LIMITING CONDITIONS FOR EFFECTS OF	ELF ON FREE FLYING MIGRANT BIRDS	0202
LOGICAL EFFECTS OF EM FIELDS IN THE	ELF REGION, PART II. A REVIEW	1184
CHANGES IN ADULT RATS EXPOSED TO AN	ELF ROTATING MAGNETIC FIELD	0766
F PRE- AND NEO-NATAL EXPOSURE TO AN	ELF ROTATING MAGNETIC FIELD	1004
EXPOSED TO EXTREMELY LOW FREQUENCY (	ELF) EM FIELDS	1214
STRACTS ON EXTREMELY LOW FREQUENCY (	ELF) EM FIELDS	2298
EXTRA LOW FREQUENCY (	ELF) EMR AS A BIOCOMMUNICATIONS MEDIUM: A PROTEIN TRANSRECEIVER SY	1670
OW ENERGY, EXTREMELY LOW FREQUENCY (	ELF) EMR ON OPERANT BEHAVIOR IN THE PIGEON AND THE RAT	1757
EXTREMELY LOW FREQUENCY (	ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH	1787
EXTREMELY LOW FREQUENCY (	ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRADIATION FACILIT	1788

MICROWAVE PUBLICATIONS

	ELF-EFFECTS ON HUMAN CIRCADIAN RHYTHMS	2651
AGE SPECIFIC ABSORPTION RATE IN THE	ELLIPSOIDAL CONDUCTOR AND DIELECTRIC MODELS OF HUMANS AND MONKEYS	2737
SIS OF PLANE WAVE IRRADIATION OF AN	ELLIPSOIDAL MODEL OF MAN	1611
BSORPTION BY PROLATE SPHEROIDAL AND	ELLIPSOIDAL MODELS OF MAN	1604
G-WAVELENGTH EM POWER ABSORPTION IN	ELLIPSOIDAL MODELS OF MAN AND ANIMALS	1612
EFFECTS OF THE SURROUNDINGS ON	EM-POWER ABSORPTION IN LAYERED-TISSUE MEDIA	1233
LOCALIZED	EMBEDDING OF LABELLED MICROSPHERES BY MICROWAVE HEATING IN TISSUES	0434
EFFECTS OF MICROWAVE ON THE CHICK	EMBRYO	1467
PECT TO THEIR EFFECTS ON THE RODENT	EMBRYO AND FETUS	2359
D EFFECTS OF MICROWAVE RADIATION ON	EMBRYO CELL SYSTEMS	1090
CHICK	EMBRYO DEVELOPMENT IN A 26-KHZ EM FIELD	1014
CED INJURIOUS EFFECTS ON THE HUMAN-	EMBRYO IN UTERO	3422
EXPOSURE OF THE JAPANESE QUAIL	EMBRYO TO 2.45 GHZ MICROWAVE RADIATION DURING THE SECOND DAY OF DE	1321
S OF EXPOSURE OF THE JAPANESE QUAIL	EMBRYO TO 2.45-GHZ MICROWAVE RADIATION	1088
TH NEWCASTLE DISEASE VIRUS IN CHICK	EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN)	0817
ECTRICAL CURRENTS ON CULTURED CHICK	EMBRYO TRIGEMINAL GANGLIA	3267
MENT, AND BIOCHEMISTRY OF THE CHICK	EMBRYO , GALLUS DOMESTICUS	0099
THE EFFECT OF AN EM FIELD ON EARLY	EMBRYOGENESIS IN QUAIL	2110
ECTED TO MICROWAVE RADIATION DURING	EMBRYOGENY	2589
THE	EMBRYOLOGICAL SIGNIFICANCE OF INDUCED CONGENITAL ANOMALIES	2886
EFFECTS OF MICROWAVE IRRADIATION ON	EMBRYONIC BRAIN TISSUE	0905
EFFECTS OF MICROWAVE IRRADIATION ON	EMBRYONIC BRAIN TISSUE	2863
	EMBRYONIC CHICK TIBIAE IN STEADY ELECTRIC FIELDS	0943
F ELECTRIC FIELDS ON GROWTH RATE OF	EMBRYONIC CHICK TIBIAE IN VITRO	0592
GH GRADIENT MAGNETIC FIELD INHIBITS	EMBRYONIC DEVELOPMENT OF FROGS	2115
S OF CONCANAVALIN A RECEPTORS ALONG	EMBRYONIC MUSCLE CELL MEMBRANE	1837
S OF TECHNICAL FREQUENCY ON CHICKEN	EMBRYOS	2351
CTS OF MICROWAVE RADIATION ON EGGS,	EMBRYOS AND CHICKENS	2059
OF A PULSED MAGNETIC FIELD ON CHICK	EMBRYOS IN THE 48TH HOUR OF INCUBATION, AND ON HATCHING RATE	1559
EXPOSURE OF JAPANESE QUAIL	EMBRYOS TO 2.45-GHZ MICROWAVE RADIATION DURING DEVELOPMENT	2547
PRELIMINARY STUDIES ON THE	EMBRYOTOXICITY OF HYPERTHERMIA IN THE BONNET MONKEY (M.RADIATA)	2928
	EMBRYOTROPIC EFFECTS OF MICROWAVES	2872
	EMC AND RADIATION HAZARDS	3535
	EMC DESIGN EFFECTIVENESS IN ELECTRONIC MEDICAL PROSTHETIC DEVICES	0642
CARDIAC PACEMAKER	EMC IN PERSPECTIVE	2382
CARDIAC PACEMAKER	EMC IN PERSPECTIVE (SUMMARY)	3061
AN EVALUATION OF	EMC PERFORMANCE OF PULSE-DOPPLER RADAR SYSTEMS	3512
AN	EMC STANDARD FOR MEDICAL ELECTRONIC DEVICES	2831
CARDIAC PACEMAKERS AND	EMI FROM THERAPEUTIC RADIATION GENERATING MACHINES	2316
MULATION OF PREOPTIC AREA OR MEDIAN	EMINENCE	0635
	EMISSION AND EXPOSURE STANDARDS FOR MICROWAVE RADIATION	2380
EM	EMISSION AT MICRON WAVELENGTHS FROM ACTIVE NERVES	1039
ION OF MILLIMETER AND SUBMILLIMETER	EMISSION BY MEANS OF JOSEPHSON JUNCTIONS	2314
REFERENCE DATA FOR RADIOFREQUENCY	EMISSION HAZARD ANALYSIS	0584
TRONG ELECTRIC FIELDS FOR DETECTING	EMISSION IN THE MILLIMETER AND SUBMILLIMETER BANDS	2343
	EMISSION OF INTENSE MICROWAVE RADIATION FROM AN AUTOMODULATED RELA	0956
THE YIELD OF (BACTERIO) CHLOROPHYLL	EMISSION OF SOME PHOTOSYNTHETIC BACTERIA AND OF CHLORELLA VULGARIS	0185
FICANCE OF RADIOFREQUENCY RADIATION	EMISSION ON CARDIAC PACEMAKER PERFORMANCE	2199
EFFECT OF MICROWAVE	EMISSION ON THE CONTENT OF IRON, COPPER, COBALT AND METALLIC PROTE	1498
UMAN THERMAL LOADING BY EXPOSURE TO	EMISSIONS FROM A MICROWAVE OVEN	1151
STRENGTH OF	EMISSIONS FROM CITIZENS RADIO SERVICE TRANSCEIVERS	3626
UREMENT AND EVALUATION OF RADIATION	EMISSIONS FROM MICROWAVE OVENS	3053
AN EVALUATION OF MICROWAVE	EMISSIONS FROM SENSORMATIC ELECTRONIC SECURITY SYSTEMS	0407
MEASUREMENTS OF THE RADIATION	EMISSIONS FROM THE NUVE-LITE DENTAL APPLIANCE	3624
MICROWAVE	EMISSIONS IN THE AIR: ARE THEY A BIOLOGICAL TIME BOMB?	0801
OUS AND INDEPENDENT TEMPERATURE AND	EMISSIVITY MEASUREMENTS	0255
FICANCE OF RADIOFREQUENCY RADIATION	EMISSSION ON CARDIAC PACEMAKER PERFORMANCE	1777
INFRARED	EMITTANCE OF EM PHANTOM MATERIALS AND INFRARED TRANSMITTANCE OF PO	2669
STUDIES ON THE EFFECT OF MICROWAVES	EMITTED BY RADAR DEVICES ON THE TESTICLES AND EPIDIDYMIDES OF RABB	2502
EFFECT OF MICROWAVES	EMITTED BY RADAR TRANSMITTERS ON THE ORIGINATION OF CATARACTS	3477
EMR	EMITTED FROM VIDEO COMPUTER TERMINALS	0200
KING CONDITIONS INVOLVING RADIOWAVE	EMITTERS ON THE BASIS OF DYNAMIC STUDIES ON THE NATURE OF RADIATIO	1437
CONTROL OF NON-IONIZING RADIATION	EMITTING DEVICES IN CANADA	2058
A NOTE ON	EMP SAFETY HAZARDS	1333
TUDE NUCLEAR ELECTROMAGNETIC PULSE (	EMP)	3098

EFFECTS OF ELECTROMAGNETIC PULSE (	EMP) ON A POWER SYSTEM	3074
E EFFECTS OF ELECTROMAGNETIC PULSE (	EMP) ON STATE AND LOCAL RADIO COMMUNICATIONS	3073
AFRRI ELECTROMAGNETIC PULSE (	EMP) SIMULATOR	2085
	EMPLOYMENT OF MAGNETOTHERAPY IN THE COMPLEX TREATMENT OF PATIENTS	0325
BIOLOGICAL RESPONSE TO NONIONIZING	EMR	0092
ERVIEW OF THE BIOLOGICAL EFFECTS OF	EMR	0588
FFECTS IN RODENTS EXPOSED TO PULSED	EMR	0736
TS TO 10 TO THE 8TH POWER PULSES OF	EMR	0826
H ON BIOLOGICAL EFFECTS OF VLF BAND	EMR	0955
ROUGHOUT THEIR ADULT LIFE TO PULSED	EMR	1167
ELL CULTURES IRRADIATIED WITH 3 GHZ	EMR	1328
OMALIES IN MOUSE FETUSES EXPOSED TO	EMR	1615
HERMAL BIOLOGICAL EFFECTS OF PULSED	EMR	1734
METHOD AND APPARATUS FOR MEASURING	EMR	1911
D BIOLOGICAL EFFECTS OF NONIONIZING	EMR	2147
OF CANCER AFTER EXPOSURE TO 434 MHZ	EMR	2452
TO 10 TO THE EIGHTH POWER PULSES OF	EMR	2469
ULAR GEOMETRY EXPOSED TO PLANE WAVE	EMR	2670
ERTHERMIC AND PATHOLOGIC EFFECTS OF	EMR (350 MC)	1855
ES OF RADAR CENTRE STAFF EXPOSED TO	EMR (IN ITALIAN)	1007
HEALTH ASPECTS OF RADIO-FREQUENCY	EMR (IN ITALIAN)	1705
PHYSICAL ASPECTS OF HIGH WAVELENGTH	EMR (IN ITALIAN)	1792
LOCAL VIBRATION AND HIGH- FREQUENCY	EMR (IN RUSSIAN)	2073
EFFECT OF 10-CM (3 GHZ)	EMR (MICROWAVES) ON GRANULOCYTES IN VITRO	1078
BIOLOGICAL EFFECTS OF UHF	EMR (RADAR) (IN FRENCH)	0508
BIOLOGICAL EFFECTS OF	EMR (RADIOWAVES AND MICROWAVES)-- EURASIAN COMMUNIST COUNTRIES	2579
LOW FREQUENCY	EMR AND GFNETIC ABERRATIONS	1791
COMBINED EFFECTS OF MICROWAVE	EMR AND OTHER FACTORS ON THE ORGANISM	2259
EXTRA LOW FREQUENCY (ELF)	EMR AS A BIOCOMMUNICATIONS MEDIUM: A PROTEIN TRANSRECEIVER SYSTEM	1670
SHORT WAVE	EMR AS A HAZARD TO PERSONNEL	2505
UATION OF LOW FREQUENCY (LONG WAVE)	EMR ASSOCIATED WITH ELECTRIC POWER TRANSMISSION	1195
EASUREMENT OF POTENTIALLY HAZARDOUS	EMR AT MICROWAVE FREQUENCIES	0616
MUM ADMISSIBLE VALUES OF HF AND UHF	EMR AT WORK PLACES IN CZECHOSLOVAKIA	1544
INTERNATIONAL TRENDS IN	EMR BIOEFFECTS RESEARCH	2789
ECHNICAL COORDINATION CONFERENCE ON	EMR BIOLOGICAL EFFECTS, JULY 1970	0758
EXTREMELY LOW FREQUENCY	EMR BIOLOGICAL RESEARCH	0972
DETECTION OF WEAK	EMR BY THE MAMMALIAN VESTIBULOCOCHLEAR APPARATUS	1071
ENVIRONMENTAL PROTECTION FROM	EMR DESCRIBED	1496
	EMR EMITTED FROM VIDEO COMPUTER TERMINALS	0200
THERMAL RESPONSES TO HIGH-FREQUENCY	EMR FIELDS	1779
AND THE PUBLIC FROM THE HAZARDS OF	EMR FROM MILITARY COMMUNICATIONS AND RADAR SYSTEMS	0311
RADIO-FREQUENCY	EMR FROM PORTABLE AND MOBILE TELECOMMUNICATION TRANSMITTERS	2718
DETECTION OF	EMR FROM THE BRAIN	2312
THE MATURING OF	EMR HAZARD INSTRUMENTS	0126
	EMR HAZARDS IN THE NAVY	1200
DANGER PROBLEMS DERIVING FROM	EMR IN THE VICINITY OF HIGH- POWER TRANSMITTERS (IN GERMAN)	2712
	EMR INTERFERENCE WITH CARDIAC PACEMAKERS	0792
OF CHEMICAL PREPARATIONS DURING UHF	EMR IRRADIATION: A REVIEW OF THE LIT. (IN RUSSIAN)	0517
MEASUREMENT OF	EMR LEVELS FROM SELECTED TRANSMITTERS OPERATING BETWEEN 54 AND 220	2802
EFFECTS OF	EMR OF MILLIMETRIC WAVELENGTH ON BACTERIAL GROWTH	1650
EFFECTS OF	EMR OF THE ORDER OF CENTIMETER AND METER WAVES ON HUMAN'S HEALTH	0939
THE EFFECTS ON THE BODY OF	EMR OF THE SHF RANGE	2487
STUDY OF THE ACTION OF	EMR OF VERY HIGH FREQUENCY (RADAR) ON THE CENTRAL NERVOUS SYSTEM O	2628
INFLUENCE OF	EMR OF VHF ON THE SENSITIVITY TO THE TRIIODOETHYL SALT OF GALLIUM	0861
EFFECTS OF 8.6 GHZ PULSED	EMR ON AN ESCHERICHIA COLI REPAIR-DEFICIENT MUTANT	0227
EFFECTS OF NON-IONIZING	EMR ON BIOLOGICAL MATERIALS	1222
INFLUENCE OF MILLIMETER-BAND	EMR ON BIOLOGICAL OBJECTS	2299
MILLIMETER- AND SUBMILLIMETER-BAND	EMR ON BIOLOGICALLY ACTIVE COMPOUNDS	2307
EFFECTS OF 800-MHZ	EMR ON BODY WEIGHT, ACTIVITY, HEMATOPOIESIS AND LIFE SPAN IN MICE	2037
CYTOTOXIC EFFECTS OF	EMR ON CHINESE HAMSTER CELLS IN CULTURE	1134
EFFECT OF EXTREMELY LOW FREQUENCY	EMR ON CHROMOSOMES	2550
EFFECTS OF	EMR ON IMPLANTATION AND INTRAUTERINE DEVELOPMENT OF THE RAT	1087
MHZ) AND RADAR (2810 AND 3050 MHZ)	EMR ON NONCOMPETITIVE CARDIAC PACEMAKERS	0450
ERGY, EXTREMELY LOW FREQUENCY (ELF)	EMR ON OPERANT BEHAVIOR IN THE PIGEON AND THE RAT	1757
EFFECTS OF	EMR ON PHYSIOLOGIC RESPONSES	0533

TRUCTURAL ANALYSIS OF THE EFFECT OF	EMR ON RAT LIVER AND BRAIN	2356
EFFECTS OF NONIONIZING	EMR ON SINGLE-CELL BIOLOGIC SYSTEMS	1086
SOME EFFECTS OF	EMR ON THE BRAIN AND SPINAL CORD OF CATS	1059
EFFECTS OF MILLIMETER-BAND	EMR ON THE FUNCTIONAL ACTIVITY OF CERTAIN GENETIC ELEMENTS OF BACT	2302
EFFECT OF CONTROLLED	EMR ON THE GROWTH OF CELLS IN TISSUE	0267
THE EFFECT OF MICROWAVE	EMR ON THE GROWTH OF MAMMALIAN CELLS IN TISSUE CULTURE	2514
THE EFFECT OF	EMR ON THE HEMATOPOIETIC STEM CELLS OF MICE	1075
THE EFFECT OF UHF	EMR ON THE IMMUNOBIOLOGICAL PROPERTIES OF THE ORGANISM	0459
INTRODUCTION: EFFECTS OF	EMR ON THE NERVOUS SYSTEM	1056
INFLUENCE OF HIGH FREQUENCY	EMR ON THE SENSITIVITY TO PENTETRAZOL OF THE WHITE MOUSE (IN FRENC...	0862
OVERVIEW OF	EMR RESEARCH: PAST, PRESENT, AND FUTURE	1055
AN	EMR SAFETY CONTROLLER	0130
FOR ESTABLISHING A RADIO FREQUENCY	EMR SAFETY STANDARD	0633
FOR ESTABLISHING A RADIO FREQUENCY	EMR SAFETY "TANDARD"	1800
CURRENT RADIO-FREQUENCY	EMR SAFETY STANDARDS AS APPLIED TO MOBILE AND PORTABLE TELECOMMUNI...	2474
THIN-WALLED SPHERES ON THE BASIS OF	EMR SCATTER DATA	1475
E GUIDELINES FOR THE DEVELOPMENT OF	EMR STANDARDS	0822
SAFETY LEVEL OF	EMR WITH RESPECT TO PERSONNEL	1707
F BIOLOGICAL HAZARDS OF NONIONIZING	EMR '	0767
F BIOLOGICAL HAZARDS OF NONIONIZING	EMR '	0768
F BIOLOGICAL HAZARDS OF NONIONIZING	EMR '	0769
F BIOLOGICAL HAZARDS OF NONIONIZING	EMR '	0770
POSSIBLE EFFECTS OF	EMR 'S	0602
POSSIBILITY OF USING	EMR 'S OF THE MILLIMETER WAVELENGTH TO INTENSIFY THE BIOLOGICAL PRO...	2346
CELL DEMONSTRATED BY THE EFFECTS OF	EMR , GLUCOSE AND OXYGEN	0079
BIOMEDICAL EFFECTS OF EXPOSURE TO	EMR , PART II: BIOMEDICAL EFFECTS ON THE EYE FROM EXPOSURE TO MICRO...	1215
F BIOLOGICAL HAZARDS OF NONIONIZING	EMR	0212
XPOSED TO LOW INTENSITY NONIONIZING	EMR . I. DEVELOPMENT OF METHODOLOGY	2174
BIOLOGICAL EFFECTS OF NONIONIZING	EMR : A DIGEST OF CURRENT LIT	1420
BIOLOGICAL EFFECTS OF	EMR : A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION	1414
BIOLOGICAL EFFECTS OF	EMR : A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION	1415
BIOLOGICAL EFFECTS OF	EMR : A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION	1416
BIOLOGICAL EFFECTS OF	EMR : A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION	1417
BIOLOGICAL EFFECTS OF	EMR : A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION	1418
BIOLOGICAL EFFECTS OF	EMR : A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION	1419
BIOLOGICAL EFFECTS OF NONIONIZING	EMR : A DIGEST OF CURRENT LITERATURE	0244
	EMR : EFFECTS ON THE EYE	1599
LIZATION OF HUMAN DETECTION OF WEAK	EMR : EXPERIMENTS WITH DOWSERS	0155
HE RADIOSENSITIVITY AND RECOVERY OF	EMT6 CELLS IN VITRO	2032
DIELECTRIC RELAXATIONS OF	EMULSIONS OF SALINE AQUEOUS SOLUTIONS	0041
T-CONTACT HEATING OF DIELECTRICALLY	ENCAPSULATED MALIGNANT MOUSE TUMOR	2739
	ENDOCRINE AND CENTRAL NERVOUS SYSTEM EFFECTS OF MICROWAVE EXPOSURE	1600
	ENDOCRINE FUNCTION IN RHESUS MONKEYS EXPOSED TO PULSED MICROWAVE R	0254
MICROWAVE IRRADIATION AND	ENDOCRINE FUNCTIONS	1275
ION OF THE HYPOTHALAMUS AND CERTAIN	ENDOCRINE GLANDS	1450
REACTION OF THE	ENDOCRINE SYSTEM TO THE EFFECT OF EM FIELD OF INDUSTRIAL FREQUENCY	2031
THE DISRUPTION OF THE	ENDOCRINE SYSTEM UNDER THE CHRONIC EFFECT OF A SUPERHIGH FREQUENCY	1938
THERMAL AND	ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450	2747
THERMAL AND	ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450	2901
BEHAVIOR, WITH SPECIAL REFERENCE TO	ENDOCRINOLOGICAL FINDINGS	3419
IMULATION AND THE EFFECTS OF ECT IN	ENDOGENOUS DEPRESSION	1652
CERVICAL	ENDOMETRIOSIS AS A COMPLICATION AFTER DIATHERMIC COAGULATION OF TH	1407
MPTS TO LOCALIZE A CORCINOMA OF THE	ENDOMETRIUM WITH THE USE OF SHORT RADIO WAVES	1960
EASED CEREBROSPINAL FLUID LEVELS OF	ENDORPHINS AFTER ELECTRO-ACUPUNCTURE	1189
	ENDORPHINS IN BRAINS OF DECAPITATED AND MICROWAVE-KILLED MICE	2219
COMPARISON OF	ENDOSCOPIC CRYOSURGERY AND ELECTROCOAGULATION OF BRONCHI	2856
RED RENOPRESSOR RESPONSE-PATTERN TO	ENDOTOXIN RADIATED WITH RADIO-FREQUENCY ENERGY	3475
LTRAVIOLET, INFRARED, AND MICROWAVE	ENERGIES	0687
OSURE STANDARDS FOR NON-IONIZING EM	ENERGIES	1658
EVIDENCE FROM ACTIVATION	ENERGIES FOR SUPERCONDUCTIVE TUNNELING IN BIOLOGICAL SYSTEMS AT PH	0458
DETERMINATION OF THE EFFECTS OF EM	ENERGIES ON THE HEMATOLOGIC SYSTEM	2614
RADIO-FREQUENCY AND MICROWAVE	ENERGIES , MAGNETIC AND ELECTRIC FIELDS	2125
ANT MEASUREMENTS IN THE VICINITY OF	ENERGIZED 765 KV LINES	3014
OF ILLUMINATION WITH PULSED UHF EM	ENERGY	0479
IN ESTIMATING THE DOSE OF MICROWAVE	ENERGY	0499

NFLUENCED BY LOW POWER MODULATED RF	ENERGY		0593
INDUSTRIAL APPLICATION OF MICROWAVE	ENERGY		0613
COUSTIC SIGNALS BY PULSED MICROWAVE	ENERGY		0718
TS ON WHOLE ANIMAL ABSORPTION OF RF	ENERGY		0780
H MICROWAVES AND LOWER FREQUENCY RF	ENERGY		0791
T RATE TO PULSE MODULATED MICROWAVE	ENERGY		0844
ATION WITH LOW POWER NONIONIZING EM	ENERGY		0914
ONTROL STUDIES WITH RADIO-FREQUENCY	ENERGY		0977
INSECT-CONTROL POSSIBILITIES OF EM	ENERGY		0979
MICROWAVES AND OTHER RADIOFREQUENCY	ENERGY		0980
OME BIOLOGICAL EFFECTS OF MICROWAVE	ENERGY		0992
ORY SYSTEM RESPONSE TO MODULATED EM	ENERGY		1031
N RESPONSE TO VERY-LOW-FREQUENCY EM	ENERGY		1033
SYSTEM RESPONSE TO RADIO FREQUENCY	ENERGY		1035
IATED WITH LOW-INTENSITY PULSED UHF	ENERGY		1036
N STEM DURING ILLUMINATION WITH UHF	ENERGY		1037
ON AND FREQUENCY OF RADIO-FREQUENCY	ENERGY		1104
NSATION AND PERCEPTION OF MICROWAVE	ENERGY		1376
ATED WITH PULSE MODULATED MICROWAVE	ENERGY		1804
ATION OF MICE BY 2450-MHZ MICROWAVE	ENERGY		1805
ONTHERMAL PULSED HIGH-PEAK-POWER EM	ENERGY		1810
ISSUE INJURIES BY PULSED ELECTRICAL	ENERGY		1829
INATION ENHANCEMENT USING MICROWAVE	ENERGY		1977
ER EXPOSURE TO NON-IONIZING RADIANT	ENERGY		2042
EXPOSURE TO HIGH DENSITY PULSED EM	ENERGY		2084
G MICROWAVES AND LOWER FREQUENCY RF	ENERGY		2285
ELL-TYPES BY ABSORPTION OF MAGNETIC	ENERGY		2328
AL TISSUE RESPONSES TO A TYPE OF EM	ENERGY		2339
NS ON CHICKEN COOKED WITH MICROWAVE	ENERGY		2497
HAVIORAL EFFECTS OF ELECTROMAGNETIC	ENERGY		2658
TY TO RADIO-FREQUENCY AND MICROWAVE	ENERGY		2953
G THEIR EXPOSURE TO RADIO-FREQUENCY	ENERGY		2954
OLOGICAL EFFECTS OF ELECTROMAGNETIC	ENERGY		3002
ATED WITH PULSE MODULATED MICROWAVE	ENERGY		3390
TOXIN RADIATED WITH RADIO-FREQUENCY	ENERGY		3475
MAGNETIC MICROWAVE ENERGY TO PHONON	ENERGY		3479
TS ON WHOLE ANIMAL ABSORPTION OF RF	ENERGY		3556
MISSIBLE NONIONIZING EXPOSURE TO RF	ENERGY	& DEPARTMENT OF LABOR RULES AND REGULATIONS	3516
EFFECT OF PULSED EM	ENERGY	(DIAPULSE) OF EXPERIMENTAL HEMATOMAS	1828
FREQUENCY DEPENDENCE OF	ENERGY	ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC FIELDS	0981
FREQUENCY DEPENDENCE OF	ENERGY	ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC FIELDS	3559
ATURE ON THE REDUCTION OF MICROWAVE	ENERGY	ABSORPTION BY MICE	2762
OF THERMOGRAPHY FOR QUANTITATION OF	ENERGY	ABSORPTION IN ANIMALS IRRADIATED WITH MICROWAVES	1145
TER STUDIES IN THE DETERMINATION OF	ENERGY	ABSORPTION IN BIOLOGICAL TISSUES	3271
	ENERGY	ABSORPTION IN CYLINDERS CONTAINING A UNIFORMLY DISTRIBUTED	3287
MICROWAVE	ENERGY	ABSORPTION IN TISSUE	0938
MICROWAVE	ENERGY	ABSORPTION IN TISSUE	3230
DETERMINATION OF	ENERGY	ABSORPTION OF MICROWAVE RADIATION USING THE COOLING CURVE T	1820
DETERMINATION OF	ENERGY	ABSORPTION OF MICROWAVE RADIATION USING THE COOLING CURVE T	3256
	ENERGY	ABSORPTION PATTERNS IN CIRCULAR TRIPLE-LAYERED TISSUE CYLIN	0851
Y MAGNETIC FIELD ON SOME ASPECTS OF	ENERGY	AND NITROGEN METABOLISM IN THE RAT CEREBRAL HEMISPHERES	0429
EFFECT OF SHF EM	ENERGY	AND OF CONSTANT MAGNETIC FIELD ON MUTAGENESIS IN THE PRESEN	2001
ISMS I. INFLUENCE OF THE MICROWAVE	ENERGY	AND OF THE SAMPLE THICKNESS ON THE DRYING OF YEAST	1384
ICAL CALCULATION OF ELECTROMAGNETIC	ENERGY	AND TEMPERATURE DISTRIBUTION IN A MICROWAVE IRRADIATED BREA	0295
BIOLOGICAL EFFECTS OF MICROWAVE	ENERGY	AT 200 MC	3602
IN TISSUES BY EXPOSURE TO MICROWAVE	ENERGY	AT FREQUENCIES OF 2,450 AND 900 MEGACYCLES	3329
ES OF ABSORPTION OF ELECTROMAGNETIC	ENERGY	BY MAN	0153
T RELATED TO THE PROPOSED GREENWOOD	ENERGY	CENTER, UNITS 2 AND 3, DETROIT, EDISON, CO.	3120
AN ELECTROMAGNETIC	ENERGY	COUPLER FOR MEDICAL APPLICATIONS	0305
AN INVESTIGATION OF	ENERGY	DENSITIES IN THE VICINITY OF VEHICLES WITH MOBILE COMMUNICA	0167
	ENERGY	DENSITIES OF MICROWAVE RADIATING SYSTEMS	3459
	ENERGY	DENSITY METER DEVELOPED FOR MICROWAVE HAZARDS	1725
DEVELOPMENT OF NEAR-FIELD ELECTRIC	ENERGY	DENSITY METER MODEL EDM-2	1011
	ENERGY	DEPOSITION IN HOMEGENEOUS AND MULTILAYER TISSUE SPHERES AND	2447
DISTRIBUTION OF EM	ENERGY	DEPOSITION IN MODELS OF MAN WITH FREQUENCIES NEAR RESONANCE	2188

ERFEROMETER FOR MEASURING RADIATION	ENERGY	DEPOSITION PROFILES IN TRANSPARENT LIQUIDS.	3301
MICROWAVE	ENERGY	DISTRIBUTION MEASUREMENTS IN PROXIMITY TO MAN AND THEIR PRA	1098
OAD EVALUATION OF INTERAL MICROWAVE	ENERGY	DISTRIBUTION	3282
LOW	ENERGY	EM PERTURBATION OF AN ENZYME SUBSTRATE	0487
ALANCE DEGRADATION DURING MICROWAVE	ENERGY	EXPOSURE	0349
TRAINT DEVICE FOR CATS IN AN UHF EM	ENERGY	FIELD	1045
	ENERGY	FLUX ALONG HIGH VOLTAGE TRANSMISSION LINES	1964
OF MICROWAVE AND LOWER FREQUENCY RF	ENERGY	FOR IMPROVING ALFALFA SEED GERMINATION	0848
FILTERED VERSUS UNFILTERED RF	ENERGY	FOR NERVE STIMULATION	1678
EM AND SONIC	ENERGY	FOR PEST CONTROL	0982
OVICIDAL LEVELS OF 2.45 GHZ EM	ENERGY	FOR THE SOUTHERN CORN ROOTWORM	1126
FOR MEASUREMENT OF THE LEVEL OF RF	ENERGY	FROM VARIOUS DEVICES	1269
PULSE MODULATED UHF	ENERGY	ILLUMINATION OF THE HEART ASSOCIATED WITH CHANGE IN HEART R	1040
DEPOSITION OF EM	ENERGY	IN ANIMALS AND IN MODELS OF MAN WITH AND WITHOUT GROUNDING	2733
THE ABSORPTION OF ELECTROMAGNETIC	ENERGY	IN BODY TISSUES PART I BIOPHYSICAL ASPECTS	3324
THE ABSORPTION OF ELECTROMAGNETIC	ENERGY	IN BODY TISSUES. PART II. PHYSIOLOGICAL AND CLINICAL ASPECT	2945
THE ABSORPTION OF EM	ENERGY	IN BODY TISSUES: A REVIEW AND CRITICAL ANALYSIS	0596
MICROBIOLOGICAL ASPECTS OF EM	ENERGY	IN COMBINATION WITH OTHER PHYSICAL FACTORS	2509
E TO THE EFFECTS OF ELECTROMAGNETIC	ENERGY	IN THE SUPERHIGH-FREQUENCY RANGE ON CYTOCHEMICAL BLOOD INDI	0061
E MECHANISM OF ABSORPTION OF UHF EM	ENERGY	IN TISSUES, AS RELATED TO THE PROBLEM OF TOLERANCE DOSAGE	0558
T TREATED WITH SUPER-HIGH FREQUENCY	ENERGY	INFRARED RAYS ON THE SECRETORY FUNCTION OF THE STOMACH (IN	2709
THE EFFECT OF ELECTROSHOCK ON	ENERGY	METABOLISM IN CEREBELLAR LAYERS	2638
VES OF THE MILLIMETRIC RANGE ON THE	ENERGY	METABOLISM OF LIVER MITOCHONDRIA	2811
	ENERGY	METABOLISM OF THE HYPOTHALAMO-HYPOPHYSEAL PART OF RAT BRAIN	1557
ONAL EFFECTS ON THE ACTIVATION FREE	ENERGY	OF DIFFUSION THROUGH MEMBRANES AS INFLUENCED BY ELECTRIC FI	0860
EFFECTS OF EM	ENERGY	OF INDUSTRIAL FREQUENCY ON THE HUMAN AND ANIMAL NERVOUS SYS	2711
EFFECTS OF R-F	ENERGY	ON BIOLOGICAL MACROMOLECULES	3236
INTERACTION OF MICROWAVE AND RF	ENERGY	ON BIOLOGICAL MATERIAL	0777
EFFECT OF CONTROLLED EM	ENERGY	ON BIOLOGICAL SYSTEMS	2506
THE EFFECTS OF RADIO-FREQUENCY	ENERGY	ON CORYNEBACTERIUM DIPHTHERIAE AND CLOSTRIDIUM WELCHII TOXI	1294
LETHAL EFFECTS OF RADIOFREQUENCY	ENERGY	ON EGGS OF TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE)	0985
EFFECTS OF RADIO-FREQUENCY	ENERGY	ON HUMAN GAMMA GLOBULIN	2952
EFFECTS OF ELECTROMAGNETIC	ENERGY	ON MAN	2977
THE EFFECTS OF PULSED EM	ENERGY	ON PERIPHERAL NERVE REGENERATION	1054
EFFECTS OF RADIO-FREQUENCY	ENERGY	ON PRIMATE CEREBRAL ACTIVITY	1993
TS OF MICROWAVE AND RADIO FREQUENCY	ENERGY	ON THE CENTRAL NERVOUS SYSTEM	1538
EFFECTS OF MODULATED RF	ENERGY	ON THE EEG OF MAMMALIAN BRAINS :EFFECTS OF ACUTE & CHRONIC	0095
EFFECTS OF MODULATED RF	ENERGY	ON THE EEG OF MAMMALIAN BRAINS. II. APPEARANCE OF FAST AND	0287
EFFECTS OF EM	ENERGY	ON THE ENVIRONMENT--A SUMMARY REPT	0815
EFFECT OF EM	ENERGY	ON THE FORMATION OF TRIGLYCERIDES: FREQUENCY INFLUENCE	1130
SELECTIVE EFFECT OF EM	ENERGY	ON VIRUSES	2504
THE EFFECT OF EM CONTROLLED	ENERGY	ON VIRUSES IN HUMAN BLOOD	2515
EPA	ENERGY	POLICY COMMITTEE REPORT--PROPOSED WORK SCOPE AND PROCEDURES	3052
ON THE PENETRATION OF UHF	ENERGY	THROUGH THE HEAD	2269
APPLICATIONS OF MICROWAVE	ENERGY	TO CONTROL NEMATODES IN SOIL	1914
SOIL TREATMENT BY MICROWAVE	ENERGY	TO DESTROY PLANT PATHOGENS	3471
ERSION OF ELECTROMAGNETIC MICROWAVE	ENERGY	TO PHONON ENERGY	3479
ABSORPTION AND	ENERGY	TRANSFER OF MICROWAVES AND ULTRASOUND IN TISSUES: CHARACTER	3323
LETHALITY OF RADIO-FREQUENCY	ENERGY	UPON MICROORGANISMS IN LIQUID, BUFFERED, AND ALCOHOLIC FOOD	2498
AND DISTRIBUTED ABSORBED MICROWAVE	ENERGY	UPON SIZE AND ORIENTATION OF RAT PHANTOMS IN WAVEGUIDE	2194
ANIMAL BEHAVIOR AND EM	ENERGY	WAVES	0709
RMINATION OF THE HEAT DEFECT OF LOW	ENERGY	X-RAYS	3248
NDUSTRIAL APPLICATIONS OF MICROWAVE	ENERGY	, BRH/DEP 70-10	3029
THE EFFECT OF LOW	ENERGY	, EXTREMELY LOW FREQUENCY (ELF) EMR ON OPERANT BEHAVIOR IN T	1757
TTEE ON COOPERATION IN THE FIELD OF	ENERGY	, WASHINGTON, DC	3155
FINITIONS, AND UNITS OF ABSORBED EM	ENERGY	--AN ESSAY	1905
XPOSURE TO MICROWAVES OR ULTRASONIC	ENERGY	--AN OVERVIEW	1596
MAN EXPOSURE TO NONIONIZING RADIANT	ENERGY	--POTENTIAL HAZARDS AND SAFETY STANDARDS	0534
MAN EXPOSURE TO NONIONIZING RADIANT	ENERGY	--POTENTIAL HAZARDS AND SAFETY STANDARDS	3217
OTAL ABSORBED DOSE IN THE MICROWAVE	ENERGY		2882
NON-THERMAL EFFECTS OF RF	ENERGY		3223
RAPEUTIC HEATING BY ELECTROMAGNETIC	ENERGY		3318
POWER DENSITY, PULSE MODULATED, EM	ENERGY	: A SEARCH FOR MECHANISMS	1135
RECOMMENDED TOLERANCE LEVELS OF M-W	ENERGY	: CURRENT VIEWS OF THE GENERAL ELECTRIC COMPANY'S HEALTH AND	1571
ERS EXPOSED TO NON-IONIZING RADIANT	ENERGY	?	0828

ANISM OF A HUMAN AND AN ANIMAL. (IN	ENG .)	0165
HUMAN	ENGINEERING APPLICATIONS AS RELATED TO PERSONNEL PROTECTION	1569
	ENGINEERING CONSIDERATIONS AND MEASUREMENTS	1601
COMMON	ENGINEERING TEST PROCEDURE: RADIO FREQUENCY RADIATION HAZARDS TO P	2605
TELEVISION TRANSMITTERS AND LIVING	ENVIRONMENT	0086
MPATIBILITY OF MAN IN THE MICROWAVE	ENVIRONMENT	0505
THE PACEMAKER PATIENT AND THE EM	ENVIRONMENT	1025
HOP ON MAGNETIC-ELECTRIC FIELDS AND	ENVIRONMENT	1680
ELECTROMAGNETIC FIELDS AND THE LIFE	ENVIRONMENT	2249
CUS AUREUS IN A NULL MAGNETIC FIELD	ENVIRONMENT	2495
NONIONIZING RADIATION IN THE	ENVIRONMENT	2941
PECTRUM AND ITS RELATIONSHIP TO THE	ENVIRONMENT	2990
ELECTRIC POWER AND THE	ENVIRONMENT	3275
LECTROMAGNETIC FIELD AND THE LIVING	ENVIRONMENT	3481
RADIOLOGICAL QUALITY OF THE	ENVIRONMENT (CHAPTER 13, NONIONIZING ELECTROMAGNETIC RADIATION	3136
INVISIBLE	ENVIRONMENT (IN GERMAN)	1625
ND OTHER HARMFUL FACTORS OF WORKING	ENVIRONMENT IN RADIOLOCATION: METHOD OF DETERMINATION OF MICROWAVE	1138
DS, EM FIELDS, AND IONS--MIND/BODY/	ENVIRONMENT INTERRELATIONSHIPS	1662
BIOLOGICAL RISKS IN THE EM	ENVIRONMENT OF AEROSPACE ACTIVITIES (IN FRENCH)	1843
EFFECTS OF THE	ENVIRONMENT ON OXIDANTS PRODUCTION IN AC CORONA	3106
RNE (0.4 TO 10 GHZ) ELECTROMAGNETIC	ENVIRONMENT SURVEY OF U.S.A. URBAN AREAS	3153
EFFECTS OF EM ENERGY ON THE	ENVIRONMENT--A SUMMARY REPT	0815
OF ELECTROMAGNETIC POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	0212
FOR CONTROL OF EM POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	0767
FOR CONTROL OF EM POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	0768
FOR CONTROL OF EM POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	0769
FOR CONTROL OF EM POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	0770
OF ELECTROMAGNETIC POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	2972
OF ELECTROMAGNETIC POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	3023
OF ELECTROMAGNETIC POLLUTION OF THE	ENVIRONMENT : THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING E	3089
SOME	ENVIRONMENTAL AND HEALTH RELATED SIDE EFFECTS OF HIGH VOLTAGE POWE	3111
USCEPTIBILITY OF CEREBRAL TISSUE TO	ENVIRONMENTAL AND INTRINSIC ELECTRIC FIELDS	1383
	ENVIRONMENTAL ASPECTS OF MICROWAVE RADIATION	2138
	ENVIRONMENTAL BIOLOGY (TABLE 31)	3440
EVALUATION OF GENETIC RISKS OF	ENVIRONMENTAL CHEMICALS	3027
PROJECT SANGUINE'S	ENVIRONMENTAL COMPATIBILITY ASSURANCE PROGRAM	2275
S UNDER REPRODUCIBLE DOSIMETRIC AND	ENVIRONMENTAL CONDITIONS	2389
HYGIENIC EVALUATION OF THE	ENVIRONMENTAL CONDITIONS IN TELEVISION STATIONS EMPLOYING NEW TRAN	1342
CY RADIATION IN CRITICAL REVIEWS IN	ENVIRONMENTAL CONTROL	3210
ELECTROSTATIC AND ELECTROMAGNETIC	ENVIRONMENTAL CRITERIA FOR EHV OVERHEAD TRANSMISSION LINES	3169
EVALUATION OF ELECTRICAL	ENVIRONMENTAL EFFECTS OF A PROPOSED +400 KV DC HIGH VOLTAGE TRANSM	3167
LTAGE TRANSMISSION LINES HEALTH AND	ENVIRONMENTAL EFFECTS: REQUEST FOR SUBMISSION DATA	3239
OMITANTS OF EXPOSURE TO OSCILLATING	ENVIRONMENTAL ELECTRIC FIELDS	1393
NS BETWEEN NERVOUS TISSUES AND WEAK	ENVIRONMENTAL ELECTRIC FIELDS	2172
EFFECTS OF 60 HZ	ENVIRONMENTAL ELECTRIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYS	0211
BINDING IN CEREBRAL TISSUE TO WEAK	ENVIRONMENTAL ELECTRIC FIELDS OSCILLATING AT LOW FREQUENCY	0819
PHYSICAL	ENVIRONMENTAL FACTORS (MICROWAVE RADIATION AND HIGH VOLTAGE TRANSM	2369
NON IONISING EM FIELDS:	ENVIRONMENTAL FACTORS IN RELATION TO MILITARY PERSONNEL	0837
EFFECTS OF SOME PHYSICAL	ENVIRONMENTAL FACTORS ON INDICES OF WATER-SALT BALANCE (IN RUSSIAN	2067
ICROWAVE USES ON CAMPUS: A STUDY OF	ENVIRONMENTAL HAZARDS	0677
CAN HIGH VOLTAGE CAUSE	ENVIRONMENTAL HAZARDS? (IN NOR)	0318
AN EVALUATION OF	ENVIRONMENTAL HEALTH EFFECTS ASSOCIATED WITH HIGH VOLTAGE TRANSMIS	3168
A PERSPECTIVE ON	ENVIRONMENTAL HEALTH IN THE USSR	1298
SOVIET-AMERICAN COOPERATION IN	ENVIRONMENTAL HEALTH SCIENCE	0274
	ENVIRONMENTAL IMPACT OF 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DE	2833
ION BY ELECTRICAL TRANSMISSION--THE	ENVIRONMENTAL IMPACT OF HIGH VOLTAGE LINES	0668
SHEET FOR THE SANGUINE SYSTEM FINAL	ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH, DEVELOPMENT, TEST AND	2283
LEMENT TO THE SANGUINE SYSTEM FINAL	ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH, DEVELOPMENT, TEST AND	3612
NE-INDUCED TUMORS IN MICE UNDER THE	ENVIRONMENTAL INFLUENCE OF VARIOUS ELECTROBIOCLIMATOLOGICAL CONDIT	2702
	ENVIRONMENTAL INFLUENCE ON IMPLANTABLE CARDIAC PACEMAKERS	3078
	ENVIRONMENTAL INFLUENCES ON CARDIAC PACEMAKER ACTIVITY	1432
ODULATION OF CEREBRAL STATES: TONIC	ENVIRONMENTAL INFLUENCES ON LIMBIC AND RELATED SYSTEMS	2607
	ENVIRONMENTAL INFLUENCES WHICH CAN OR MAY CHANGE HEREDITY	2867
ENT INSTRUMENTS WHEN SUB- JECTED TO	ENVIRONMENTAL LEVEL RF FIELDS	0418
COMMUNICATION SYSTEMS AS SOURCES OF	ENVIRONMENTAL MICROWAVE RADIATION	1284

COMMUNICATION SYSTEMS AS SOURCES OF	ENVIRONMENTAL	MICROWAVE RADIATION	3237
	ENVIRONMENTAL	MUTAGEN SOCIETY 6TH ANNUAL MEETING, PROGRAM AND ABST	3621
NON-AUDITORY EFFECTS OF	ENVIRONMENTAL	NOISE	2970
INFORMATION ON LEVELS OF	ENVIRONMENTAL	NOISE REQUISITE TO PROTECT PUBLIC HEALTH AND WELFARE	3079
	ENVIRONMENTAL	NONIONIZING RADIATION EXPOSURE: A PRELIMINARY ANALYS	3110
N AGENCY TO PROTECT THE PUBLIC FROM	ENVIRONMENTAL	NONIONIZING RADIATION EXPOSURES	0362
THE	ENVIRONMENTAL	PROTECTION AGENCY NEEDS CONGRESSIONAL GUIDANCE AND S	0363
EFFORTS BY THE	ENVIRONMENTAL	PROTECTION AGENCY TO PROTECT THE PUBLIC FROM ENVIRON	0362
THE	ENVIRONMENTAL	PROTECTION AGENCY,S RESPONSE TO ENVIRONMENTAL RADIAT	3001
	ENVIRONMENTAL	PROTECTION FROM EMR DESCRIBED	1496
TAL PROTECTION AGENCY,S RESPONSE TO	ENVIRONMENTAL	RADIATION CONTROL ISSUES	3001
ANNUAL REPT. OF THE EASTERN	ENVIRONMENTAL	RADIATION LAB.: JANUARY-DECEMBER 1970	2575
ANNUAL REPORT OF THE EASTERN	ENVIRONMENTAL	RADIATION LABORATORY, JAN.- DEC. 1970	2955
ASSESSMENT OF	ENVIRONMENTAL	RADIOACTIVITY IN THE VICINITY OF SHIPPINGPORT ATOMIC	3063
MEASUREMENT SYSTEM FOR DETERMINING	ENVIRONMENTAL	RADIOFREQUENCY FIELD INTENSITIES	3094
MEASUREMENT SYSTEM FOR DETERMINING	ENVIRONMENTAL	RADIOFREQUENCY FIELD INTENSITIES II	1717
RESULTS OF THE EPA	ENVIRONMENTAL	RE RADIATION MEASUREMENTS PROGRAM	0075
FINAL	ENVIRONMENTAL	STATEMENT RELATED TO THE PROPOSED GREENWOOD ENERGY C	3120
	ENVIRONMENTAL	STUDIES IN RADIO-RELAY STATIONS	1341
OPTIMAL RESOURCE ALLOCATION FOR AN	ENVIRONMENTAL	SURVEILLANCE SYSTEM	3188
EFFECTS OF	ENVIRONMENTAL	TEMPERATURE AND AIR VOLUME EXCHANGE ON SURVIVAL OF R	0469
THE EFFECT OF	ENVIRONMENTAL	TEMPERATURE AND AVERAGE DOSE RATE OF MICROWAVE RADIA	0369
	ENVIRONMENTALLY	CONTROLLED WAVEGUIDE IRRADIATION FACILITY	0998
OGICAL INFLUENCE OF HYPOGEOMAGNETIC	ENVIRONMENTS		0248
CATARACTS IN AVIATION	ENVIRONMENTS		1796
LMIC HAZARDS OF MICROWAVE AND LASER	ENVIRONMENTS		2572
ER LINE AND HIGH VOLTAGE SWITCHYARD	ENVIRONMENTS		3171
RATE OF GROWTH AND BRAIN AND LIVER	ENYZMES	OF RATS	1782
EFFECTS OF SHF FIELDS ON	ENZYMATIC	ACTIVITIES AND PYRIDOXINE LEVELS IN THE ORGANS OF WHITE	1513
MEASURE OF	ENZYMATIC	ACTIVITY COINCIDENT WITH 2450 MHZ MICROWAVE EXPOSURE	1323
TION ON CULTURED GLIOMA CELLS I. AN	ENZYMATIC	AND SCANNING ELECTRON MICROSCOPY STUDY	0293
A HIGH-INTENSITY MAGNETIC FIELD ON	ENZYMATIC	HYDROLYSIS OF NUCLEIC ACIDS	1558
A CONSTANT MAGNETIC FIELD ON E COLI	ENZYME	ACTIVITY	2483
GNETIC FIELDS ON THE MEMBRANE BOUND	ENZYME	ACTIVITY	2620
BRAIN TEMPERATURE AND	ENZYME	HISTOC MISTRY AFTER HIGH INTENSITY MICROWAVE IRRADIATION	0853
300-MSEC MICROWAVE IRRADIATION FOR	ENZYME	INACTIVATION: A STUDY OF EFFECTS OF SODIUM PENTOBARBITAL ON	1202
R COLLECTIVE MAGNETIC EFFECTS IN AN	ENZYME	LIKELIHOOD OF ROOM TEMPERATURE SUPERCONDUCTIVE REGIONS	1737
LOW ENERGY EM PERTURBATION OF AN	ENZYME	SUBSTRATE	0487
ON CHARGED SUBSTRATES IN LOCALIZED	ENZYME	SYSTEMS	1731
ENCY AND MICROWAVE EM FIELDS ON THE	ENZYME-SUBSTRATE	REACTION IN AQUEOUS SOLUTIONS AND ORGANIC SOLVENT	2481
	ENZYME-SUBSTRATE	REACTIONS IN VERY HIGH MAGNETIC FIELDS. I	2118
ELECTROSTATIC FIELDS ON RESPIRATORY	ENZYMES		0382
HE EFFECT ON MONOAMINE METABOLIZING	ENZYMES		0570
EFFECTS OF MICROWAVE RADIATION ON	ENZYMES		1081
LOGICAL MATERIALS AND THE ACTION OF	ENZYMES		1736
GHZ MICROWAVES ON THREE HUMAN SERUM	ENZYMES		1815
ROWAVE RADIATION: EXPERIMENTS WITH	ENZYMES		2293
EFFECTS OF MICROWAVE RADIATION ON	ENZYMES		2390
EFFECTS OF MICROWAVE IRRADIATION ON	ENZYMES	AND METABOLITES IN MOUSE BRAIN	2466
Z FOR IN VIVO INACTIVATION OF BRAIN	ENZYMES	IN RATS	0085
RATE OF GROWTH, AND BRAIN AND LIVER	ENZYMES	IN RATS LIVING IN 45 HZ ELECTRIC FIELDS	2549
MAGNETIC FIELD ON ACTIVITY OF REDOX	ENZYMES	IN THE ALBINO RAT LIVER (HISTOCHEMICAL INVESTIGATION)	2054
CHANGES IN ACTIVITY OF CERTAIN	ENZYMES	IN THE CELLS OF CORTI'S ORGAN IN GUINEA PIGS FOLLOWING LON	1901
R FOR IN VIVO RAPID INACTIVATION OF	ENZYMES	IN THE CENTRAL NERVOUS SYSTEM	1034
FIELD ON THE ACTIVITY OF OXIDATIVE	ENZYMES	IN THE LIVERS OF MICE	2490
THE INACTIVATION OF RODENT BRAIN	ENZYMES	IN VIVO USING HIGH-INTENSITY MICROWAVE IRRADIATION	0387
RADIO-FREQUENCY IRRADIATION ON THE	ENZYMES	OF BEEF MUSCLE TISSUE	2561
ET AL ON THE EFFECT OF EM FIELD ON	ENZYMIC	SUBSTRATES	2686
ROPOSED WORK SCOPE AND PROCEDURES -	EPAEPC-1		3052
THE EFFECTS OF	EPHEDRINE	AND NIKETHAMIDE ON MICROWAVE- EXPOSED MICE	1490
MICROWAVE RADIATION: AN	EPIDEMIOLOGIC	ASSESSMENT	3145
MICROWAVE RADIATION: AN	EPIDEMIOLOGIC	ASSESSMENT	0406
	EPIDEMIOLOGIC	STUDIES OF MICROWAVE EFFECTS	0397
CLINICAL	EPIDEMIOLOGICAL	CHARACTERIZATION OF CHRONIC LYMPHOID LEUKEMIA (IN	2068
THE	EPIDEMIOLOGICAL	STUDY OF MONGOLISM IN BALTIMORE	2523

NEW RAPID TECHNIQUE FOR SEPARATING	EPIDERMAL TISSUE FROM MOUSE SKIN PRESERVING RNA, DNA, PROTEIN, AND	2825
RADAR DEVICES ON THE TESTICLES AND	EPIDIDYMIDES OF RABBIT, COMMUNICATION I.	2502
NESIS IN TREATMENT OF PATIENTS WITH	EPIDIDYMITIS	0933
D FIELDS ON ANIMALS WITH AUDIOGENIC	EPILEPSY	1253
E THERAPY OF CHRONIC TONSILLITIS IN	EPILEPTIC PATIENTS	1928
F RATS INJECTED WITH ACETYLCHOLINE,	EPINEPHRINE , HISTAMINE OR SEROTONIN AND EXPOSED TO ACUTE MICROWAVE	0355
	EPIPHYSEAL CARTILAGE CYCLIC AMP CHANGES PRODUCED BY ELECTRICAL AND	2777
IN VITRO	EPIPHYSEAL-PLATE GROWTH IN VARIOUS CONSTANT ELECTRICAL FIELDS	0640
MAGNETIC FIELD ON PROLIFERATION OF	EPITHELIAL CELLS IN THE MOUSE DUODENUM	0065
LOGICAL REGENERATION OF THE CORNEAL	EPITHELIUM EXPOSED TO SUPERSTRONG CONSTANT MAGNETIC FIELDS (IN RUS	1402
OF MICROWAVE RADIATION ON THE LENS	EPITHELIUM IN THE RABBIT EYE	1044
LIUM OF CHINESE HAMSTERS IN CORNEAL	EPITHELIUM OF CHINESE HAMSTERS	0098
CHROMOSOMAL ABERRATIONS IN CORNEAL	EPITHELIUM OF CHINESE HAMSTERS IN CORNEAL EPITHELIUM OF CHINESE HA	0098
MITOTIC ACTIVITY IN	EPITHELIUM OF GLANDS OF THE SMALL INTESTINE OF THE RAT AFTER ELECT	2855
ONES OF THE BRAIN ON MITOSIS OF THE	EPITHELIUM OF THE SMALL INTESTINAL GLANDS IN THE RAT (IN FRENCH)	2854
PROGRESS REPORT OF	EPRI PROJECT UHV	3124
THE COURSE OF ACTION OF TRYPANOSOMA	EQUIPERDUM , AND THE ACTION OF PULSED AND MODULATED EM WAVES (IN FR	0959
CAL EFFECTS OF ELECTRONIC RADIATING	EQUIPMENTS	3453
INDUSTRIAL, SCIENTIFIC AND MEDICAL	EQUIPMENTS	3518
DETERMINATION OF A THERMAL	EQUIVALENT OF MILLIMETER MICROWAVES IN LIVING CELLS	0413
TISSUES BY THERMOGRAPHIC STUDIES ON	EQUIVALENT PHANTOM MODELS	2946
F MALIGNANT MOUSE TUMORS AND TISSUE	EQUIVALENT PHANTOM SYSTEMS	1116
TUMOR	ERADICATION BY RADIOFREQUENCY THERAPY	0741
TUMOR	ERADICATION BY RADIOFREQUENCY THERAPY	0836
TUMOR	ERADICATION IN THE RABBIT BY RADIOFREQUENCY HEATING	2585
RADIO FREQUENCY	ERADICATION OF TUMOURS	2230
OPINION AND ORDER AUTHORIZATING	ERECTION OF SUPPORT STRUCTURES AND CONDUCTORS (OPINION NO. 76-12)	3150
SUMMARY OF THE	ERMAN WORK SESSION ON NERVOUS SYSTEM AND BEHAVORIAL EFFECTS OF NON	3584
AY' OVEN EXPOSURE ON SYSTEMIC LUPUS	ERYTHEMATOSUS	2012
A AND PROTEIN SYNTHESIS IN THE FROG	ERYTHROCYTE	1808
	ERYTHROCYTE DAMAGE CAUSED BY THE HAEMOTHERM MICROWAVE BLOOD WARMER	0308
PORES OF CONTROLLED SIZES IN HUMAN	ERYTHROCYTE MEMBRANE	2297
THE EFFECT OF MICROWAVES ON	ERYTHROCYTE POTASSIUM AND SODIUM ION PERMEABILITY	2020
INFRARED SPECTRA OF	ERYTHROCYTE SHADOWS IN THE REGION OF AMIDE I AND AMIDE II BANDS UN	1794
ES ON K+ AND NA+ TRANSPORT IN HUMAN	ERYTHROCYTES	1458
ON THE ELECTROPHORETIC MOBILITY OF	ERYTHROCYTES (IN RUSSIAN)	2593
GH FREQUENCY TO HEAT UP DEEP-FROZEN	ERYTHROCYTES (IN RUSSIAN)	2723
HEMOLYSIS OF HUMAN	ERYTHROCYTES BY A TRANSIENT ELECTRIC FIELD	2372
LIVING CELL, I. BEHAVIOUR OF HUMAN	ERYTHROCYTES IN HIGH-FREQUENCY ELECTRIC FIELDS AND ITS RELATION TO	1692
ORIENTATION OF HUMAN AND AVIAN	ERYTHROCYTES IN RADIO-FREQUENCY FIELDS	1728
N OF MIGRATION AND SEDIMENTATION OF	ERYTHROCYTES INDUCED BY MAGNETIC FIELDS	0089
THERMOSTABILITY OF THE	ERYTHROCYTES OF MICE EXPOSED TO THE ACTION OF A MAGNETIC FIELD	1231
FIELDS OF SUPERHIGH FREQUENCIES ON	ERYTHROCYTES PRESERVED AT LOW TEMPERATURE	1504
EXPOSURE OF RABBIT	ERYTHROCYTES TO MICROWAVE RADIATION	0903
EFFECTS OF MICROWAVE IRRADIATION ON	ERYTHROCYTES	0183
INTERNAL CONDUCTIVITY OF	ESCHERICHIA COLI	2499
A HIGH FREQUENCY ELECTRIC FIELD ON	ESCHERICHIA COLI	3470
IBITING ACTION OF ELECTRIC FIELD ON	ESCHERICHIA COLI (IN RUSSIAN)	1634
EFFECT OF MICROWAVES ON	ESCHERICHIA COLI AND BACILLUS SUBTILIS	0486
DESTRUCTION OF	ESCHERICHIA COLI AND SOLMONELLA TYPHIMURIUM IN MICROWAVE-COOKED SO	0814
EFFECTS OF 8.6 GHZ PULSED EMR ON AN	ESCHERICHIA COLI REPAIR-DEFICIENT MUTANT	0227
PERATURE-DEPENDENCE OF RESPONSES OF	ESOPHAGEAL SMOOTH MUSCLE TO ELECTRICAL FIELD STIMULATION	2548
AND UNITS OF ABSORBED EM ENERGY--AN	ESSAY	1905
VING RNA, DNA, PROTEIN, AND PHORBOL	ESTER-INDUCED ORNITHINE DECARBOXYLASE LEVELS	2825
CHAIN FATTY ACIDS AND THEIR METHYL	ESTERS IN THE MICROWAVE REGION	3201
CAL PROPERTIES OF FATTY ACID METHYL	ESTERS .V. DIELECTRIC CONSTANT	3199
COST-BENEFIT	ESTIMATES FOR THE MAJOR SOURCES OF RADIATION EXPOSURE	2975
	ESTIMATES OF IONIZING RADIATION DOSES IN THE UNITED STATES 1960-20	2960
TRANSMISSIONS LINES AND THEORETICAL	ESTIMATES OF OZONE CONCENTRATING NEAR OPERATING LINES	3113
THE USE OF BIOLOGICAL SIMULANTS IN	ESTIMATING THE DOSE OF MICROWAVE ENERGY	0499
VATED CELL RATIO: A CONCEPT FOR THE	ESTIMATION OF BIOLOGICAL EFFECTIVENESS OF HYPERTHERMIC TREATMENT O	0247
	ESTIMATION OF PROTEIN HYDRATION BY DIELECTRIC MEASUREMENTS AT MICR	0489
	ESTIMATION OF THE OCCURRENCE OF NEUROTIC DISORDERS IN SEA ECONOMY	1164
MOUSE TO MICROWAVE RADIATION DURING	ESTROUS CYCLE AND PREGNANCY	0930
BEHAVIORAL,	ETHOLOGICAL , AND TERATOLOGICAL EFFECTS OF ELECTROMAGNETIC RADIATIO	0140

OF CONSTANTINOV: A CASE STUDY OF EM	ETHOLOGY	2168
PROPERTIES OF AQUEOUS SOLUTIONS OF	ETHYLENE GLYCOL BETWEEN +15 DEGREE CELSIUS AND -70 DEGREE CELSIUS	0172
PROBLEMS OF THE	ETIOLOGY AND PATHOGENESIS OF THE PATHOLOGICAL PROCESSES CAUSED BY	2266
E: A HYPOTHESIS OF MICROWAVES AS AN	ETIOLOGY FOR SUDDEN DEATH FROM HEART ATTACK IN NORTH KARELIA	1636
TS EXPOSES AUX ONDES ULTRA-COURTES:	ETUDE PARTICULIERE DES EFFETS DE CES ONDES SUR LA REPRODUCTION DE	2919
ICROWAVES ACTION IN PROCARYOTIC AND	EUCARYOTIC CELLS AND A POSSIBLE INTERACTION WITH X-RAYS	1137
ORIENTATION OF	EUGLENA BY RADIO-FREQUENCY FIELDS	1727
TICS OF RETICULAR INFLUENCES ON THE	EVOKED ACTIVIITY OF THE CEREBELLUM UNDER THE EFFECT OF A CONSTANT	0245
BACKGROUND AND	EVOKED ACTIVITY OF NEURONS ON THE VISUAL CORTEX OF RABBITS AFTER T	1185
CYCLES OF RECOVERY OF	EVOKED BRAIN POTENTIALS FOLLOWING EXPOSURE TO CONSTANT MAGNETIC FI	0160
L STUDIES ON THE BIOLOGICAL EFFECTS	EVOKED BY COMBINED EXPOSURE TO MICROWAVES AND HIGH AIR TEMPERATURE	1455
HUMAN MAGNETIC AUDITORY	EVOKED FIELDS	0187
VISUALLY	EVOKED MAGNETIC FIELDS OF THE HUMAN BRAIN	2099
N ON THE PLASTICITY OF ARTIFICIALLY	EVOKED MOVEMENTS	2861
THE SPINAL CORD AND ITS EFFECTS ON	EVOKED POTENTIALS	1886
BRAIN	EVOKED POTENTIALS ARE FUNCTIONAL CORRELATES OF INDUCED PAIN IN MAN	0138
OF SUPERHIGH-FREQUENCY EM WAVES ON	EVOKED POTENTIALS OF AUDITORY CENTERS IN CONNECTION WITH PROSPECTS	1487
CYCLES OF RESTORATION OF	EVOKED POTENTIALS OF RAT BRAIN UNDER THE EFFECT OF A PERMANENT MAG	0280
OWAVE HYPERTHERMIA AND THE VISUALLY	EVOKED POTENTIALS: PRELIMINARY OBSERVATIONS OF GUINEA PIGS	2662
BRAIN STEM	EVOKED RESPONSES ASSOCIATED WITH LOW-INTENSITY PULSED UHF ENERGY	1036
CHANGES OF BACKGROUND AND	EVOKED RHYTHMS OF BRAIN POTENTIALS IN RABBITS IN A STRONG STATIC M	2081
	EVOLUTION OF CONCEPTS CONCERNING THE APPLICATION OF HIGH- FREQUENC	1822
MICROWAVE 'HAZARDS' ARE	EXAGGERATED	0520
BASED ON THE RESULTS OF RHEOGRAPHIC	EXAMINATIONS	1499
E BONE MARROW FROM DIAGNOSTIC X-RAY	EXAMINATIONS	3083
EFFECTS OF DECIMETRIC WAVES ON THE	EXCHANGE OF CATECHOLAMINES IN THE TISSUES OF HEALTHY RABBITS (IN R	2846
ONMENTAL TEMPERATURE AND AIR VOLUME	EXCHANGE ON SURVIVAL OF RATS EXPOSED TO MICROWAVE RADIATION OF 24,	0469
VARIATIONS OF	EXCITABILITY AND OF NERVOUS CONDUCTION UNDER THE INFLUENCE OF MICR	0818
THE AUTOMATIC DETERMINATION OF THE	EXCITABILITY CYCLE	2334
S (RADAR) ON CENTRAL NERVOUS SYSTEM	EXCITABILITY IN LAB. ANIMALS	0637
IN THE SURFACE-CHARGE DENSITY OF AN	EXCITABLE NERVE MEMBRANE EXPOSED TO OPTICAL RADIATION	1839
NERVE IN	EXCITABLE STATE IN MICROWAVE FIELD	0794
IOEFFECTS AND CHANGES IN ELEMENTARY	EXCITABLE STRUCTURES ON EXPOSURE TO VERY LOW INTENSITY IRRADIATION	1461
O-LOOP METHOD USING SWEPT FREQUENCY	EXCITATION - UCRL-51266	3049
A SEMICLASSICAL THEORY FOR NERVE	EXCITATION BY A LOW INTENSITY EM FIELD	0647
E AND THEIR POSSIBLE IMPORTANCE FOR	EXCITATION-CONTRACTION COUPLING	2837
CLARIFICATION OF THE	EXCITATORY ACTION OF MIDDLE FREQUENCY ALTERNATING CURRENT	2320
RPTION IN CYLINDRICAL TISSUE MODELS	EXCITED BY A LOOP ANTENNA	0204
DERATIONS WHEN EMPLOYING MICROWAVE-	EXCITED SPECTROSCOPIC SOURCES	2567
RHYTHM AND TWENTY-FOUR-HOUR URINARY	EXCRETION OF SEVENTEEN HYDROXYCORTICOIDS AND SEVENTEEN KETOSTEROID	1133
	EXENCEPHALIA : ITS OCCURRENCE IN UNTREATED MICE	2884
NOTE ON THE RADIO PROTECTION	EXERTED BY ULTRASHORT WAVES WITH RESPECT TO BACTERIA (IN FRENCH)	2627
	EXOGENOUS PEROXIDASE ACTIVITY IN THE SELECTIVELY HYPERTHERMIC RAT	2532
YMATOTHERAPY: PRELIMINARY REPORT OF	EXPEIMENTAL STUDIES OF THE HEATING EFFECT OF MICROWAVES (RADAR) IN	3369
EVIDENCE THAT ABNORMAL EARLY VISUAL	EXPERIENCE CAN MODIFY THE HUMAN BRAIN	3022
A FIELD SURVEY OF FARMER	EXPERIENCE WITH 765 KV TRANSMISSION LINES	3613
	EXPERIENCE WITH DECIMETER WAVE THERAPY AS PART OF COMPREHENSIVE TR	2804
FURTHER	EXPERIENCE WITH HALF BODY RADIOTHERAPY	2333
PRACTICAL	EXPERIENCE WITH INTERFERENCE-CURRENT THERAPY OF MEN WITH VEGETATIV	0018
	EXPERIENCE WITH MAGNETIC THERAPY OF PAINFUL NEUROMAS OF EXTREMITY	2845
	EXPERIENCE WITH THE USE OF GLUCOSORTICOSTEROIDS AND MAGNETIC FIELD	0013
CLINICAL	EXPERIENCES WITH LOW INTENSITY DIRECT CURRENT STIMULATION OF BONE	2779
LIMINARY THERMAL VERSUS NON-THERMAL	EXPERIMENT	0694
OORGANISMS BY EM FIELDS: THEORY AND	EXPERIMENT	1746
NSITY MAGNETIC AND ELECTRIC FIELDS:	EXPERIMENT 1	0764
NSITY MAGNETIC AND ELECTRIC FIELDS:	EXPERIMENT 2	0765
SITY MAGNETIC AND ELECTRIC FIELDS:	EXPERIMENT 2	3274
NSITY MAGNETIC AND ELECTRIC FIELDS:	EXPERIMENT 3	0766
LONG RANGE RADIATION HAZARD	EXPERIMENT GETS UNDERWAY USING HUMAN VOLUNTEERS	0681
	EXPERIMENT ON THE CORRELATION BETWEEN THE COURSE OF ACTION OF TRYP	0959
	EXPERIMENT ON THE EFFECT OF EM WAVES ON THE REACTIVITY OF CELLS AN	2016
THERMORADIOTHERAPY IN ANIMAL	EXPERIMENT : TUMOR GROWTH AND TUMOR CURE (IN GERMAN)	0008
COMPARISON OF THEORETICAL AND	EXPERIMENTAL ABSORPTION OF RADIO FREQUENCY POWER	1684
COMPARISON OF THEORETICAL AND	EXPERIMENTAL ABSORPTION OF RADIOFREQUENCY POWER	0742
	EXPERIMENTAL ACCELERATION OF WOUND HEALING	1824

	EXPERIMENTAL	AND CLINICAL ASPECTS OF HYPERTHERMIA APPLIED TO THE T	1225
N CARCINOMA OF THE URINARY BLADDER:	EXPERIMENTAL	AND CLINICAL RESULT. (IN GERMAN)	0216
GANISM UNDER THE INFLUENCE OF SW IN	EXPERIMENTAL	AND INDUSTRIAL CONDITIONS	1457
	EXPERIMENTAL	AND THEORETICAL DETERMINATION OF ABSORBED MICROWAVE D	2590
	EXPERIMENTAL	AND THEORETICAL STUDIES ON EM FIELDS INDUCED INSIDE F	1239
AN	EXPERIMENTAL	AND THEORETICAL STUDY ON THE INTERACTION OF EM FIELDS	2070
S ON THE CENTRAL NERVOUS SYSTEM IN	EXPERIMENTAL	ANIMALS	1250
TERACTION OF EM FIELDS WITH MAN AND	EXPERIMENTAL	ANIMALS	1291
ENUM, AND NICKEL IN THE ORGANISM OF	EXPERIMENTAL	ANIMALS	1505
TO THERMAL RESPONSES OF MODELS AND	EXPERIMENTAL	ANIMALS	1687
EFFECT OF MICROWAVE IRRADIATION ON	EXPERIMENTAL	ANIMALS	1850
Y FIELD ON THE PHYSICAL TRAINING OF	EXPERIMENTAL	ANIMALS	1869
F CONSTANT MAGNETIC FIELD ON ECG IN	EXPERIMENTAL	ANIMALS	2061
-WAVE THERAPY IN EARLY PREGNANCY IN	EXPERIMENTAL	ANIMALS	2879
ROWAVES ON THE ACID-BASE BALANCE IN	EXPERIMENTAL	ANIMALS (IN RUSSIAN)	1315
RACTERIZATION OF CHANGES INDUCED IN	EXPERIMENTAL	ANIMALS BY COMBINED IRRADIATION WITH MICROWAVES AND X	1454
MORPHOLOGICAL CHANGES IN	EXPERIMENTAL	ANIMALS EXPOSED TO RF EM FIELDS OF THE 155 AND 191 MH	1359
METHODS EMPLOYED IN THE EXPOSURE OF	EXPERIMENTAL	ANIMALS TO MICROWAVES AT 24,000 MEGACYCLES	1474
ORTICAL-SUBCORTICAL CORRELATIONS IN	EXPERIMENTAL	ANIMALS UNDER THE ACTION OF PULSED CURRENTS (BY THE M	0024
ICAL EXPOSURE VARIABLES FOR MAN AND	EXPERIMENTAL	ANIMALS	2913
	EXPERIMENTAL	ARRANGEMENT FOR IN VIVO X-RAY AND MICROWAVE IRRADIATI	2315
INHIBITION OF	EXPERIMENTAL	ARTHRITIS BY ATHERMIC PULSATING SHORT WAVES IN RATS	1827
RADIO AND MICROWAVE RADIATION AND	EXPERIMENTAL	ATHEROSCLEROSIS	0678
	EXPERIMENTAL	CALIBRATION OF A MINIATURE, ELECTRIC FIELD PROBE WITH	2207
ENT OF THE PHYSICS OF THE THEORY, &	EXPERIMENTAL	CORRELATIONS	0123
	EXPERIMENTAL	DESIGNS IN THE STUDY OF BIOLOGICAL EFFECTS DURING RAD	2940
	EXPERIMENTAL	DEVELOPMENT OF SIMULATED BIOMATERIALS FOR DOSIMETRY S	0858
L ELECTRIC SHOCK. ACUTE AND CHRONIC	EXPERIMENTAL	EEG'S ON RABBIT (IN ITALIAN)	1892
	EXPERIMENTAL	HELIOBIOLOGY	1479
T OF PULSED EM ENERGY (DIAPULSE) OF	EXPERIMENTAL	HEMATOMAS	1828
	EXPERIMENTAL	INJURY TO THE EYE WITH ULTRA-HIGH-FREQUENCY EM FIELDS	1859
HODOLOGICAL PROBLEMS AND RESULTS OF	EXPERIMENTAL	INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROOR	2300
ANALYTICAL AND	EXPERIMENTAL	INVESTIGATION OF UNICELLULAR ORGANISMS WITH 3-CM MICR	3212
EFFECT OF UHF WAVES ON HEMOPOIESIS (	EXPERIMENTAL	INVESTIGATION)	2006
INFLUENCE OF SHORTWAVE IRRADIATION:	EXPERIMENTAL	INVESTIGATIONS ON ANIMALS	0541
	EXPERIMENTAL	LENTICULAR OPACITIES PRODUCED BY MICROWAVE IRRADIATIO	0548
EFFECT OF	EXPERIMENTAL	MAGNETIC STORM ON THE PRODUCTION OF LAMBDA PHAGE	0412
	EXPERIMENTAL	MICROWAVE CATARACT: A REVIEW	1529
	EXPERIMENTAL	MICROWAVE CATARACTS	0652
OLOGICAL AND BIOCHEMICAL CHANGES IN	EXPERIMENTAL	MICROWAVE CATARACTS	1867
USE OF A DIELECTRIC LENS FOR	EXPERIMENTAL	MICROWAVE IRRADIATION OF THE EYE	1067
	EXPERIMENTAL	MICROWAVE OCULAR EFFECTS	1258
RICAL BONE-GROWTH STIMULATION IN AN	EXPERIMENTAL	MODEL OF DELAYED UNION	2403
	EXPERIMENTAL	MODELS FOR THE EVALUATION OF MICROWAVE BIOLOGICAL EFF	0625
	EXPERIMENTAL	MORPHOLOGIC AND ELECTROENCEPHALOGRAPHIC STUDIES OF MI	1063
HERMIA AND CLOSTRIDIAL ONCOLYSIS ON	EXPERIMENTAL	MOUSE TUMORS	0323
SEGMENT AND BASELINE SHIFTS DURING	EXPERIMENTAL	MYOCARDIAL INFARCTION	2104
AUSLECHNER METHOD ON THE HEALING OF	EXPERIMENTAL	NONUNIONS IN DOGS	0131
SOME	EXPERIMENTAL	OBSERVATIONS OF THE EFFECT OF A HIGH- FREQUENCY EM FI	2577
CERTAIN	EXPERIMENTAL	OBSERVATIONS ON A PULSED DIATHERMY MACHINE	0661
	EXPERIMENTAL	OXIDANT PRODUCTION RATES FOR EHV TRANSMISSIONS LINES	3113
AN	EXPERIMENTAL	PERMEABILIZATION OF THE BLOOD-BRAIN BARRIER BY ELECTR	2820
	EXPERIMENTAL	REGENERATION IN PERIPHERAL NERVES AND THE SPINAL CORD	0855
NG INADEQUATE AUDITORY STIMULATION (	EXPERIMENTAL	RESEARCH)	1487
	EXPERIMENTAL	RESULTS FROM EXPOSURE OF ANIMALS TO AC ELECTRIC FIELD	3159
THEORETICAL AND	EXPERIMENTAL	STUDI&S OF MICROWAVE INDUCED CATARACTS IN RABBITS	2386
PLICATIONS IN BIOLOGY AND MEDICINE:	EXPERIMENTAL	STUDIES	1614
	EXPERIMENTAL	STUDIES IN DIATHERMY APPLIED TO THE EYE AND ORBIT A	3365
RESULTS OF	EXPERIMENTAL	STUDIES ON EM IRRADIATION WITH LOW INTENSITY USW, SW,	1456
	EXPERIMENTAL	STUDIES ON THE BIOLOGICAL EFFECTS EVOKED BY COMBINED	1455
	EXPERIMENTAL	STUDIES ON THE USE OF MICROWAVE FOR THE LOCALIZED HEA	0268
E TO A STRONG AC ELECTRIC FIELD--AN	EXPERIMENTAL	STUDY	0969
E TO A STRONG AC ELECTRIC FIELD--AN	EXPERIMENTAL	STUDY	3016
	EXPERIMENTAL	STUDY OF EFFECTS OF INDUSTRIAL FREQUENCY EM FIELDS ON	2580
	EXPERIMENTAL	STUDY OF SELECTED QUESTIONS OF THE BIOLOGICAL ACTION	1897

AN	EXPERIMENTAL	STUDY OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATIO	0732
	EXPERIMENTAL	STUDY OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATIO	1891
	EXPERIMENTAL	STUDY)	2810
ERIAL AND LYMPHATIC COLLATERALS (AN	EXPERIMENTAL	STUDY)	2841
CONCENTRATIONS IN BLOOD AND ORGANS (	EXPERIMENTAL	STUDY)'	1503
EFFECTS OF	EXPERIMENTAL	TOXIC HEPATITIS AND MICROWAVES ON THE FUNCTION OF HEP	1773
FENSES OF THE MOUSE AND RAT AGAINST	EXPERIMENTAL	TRYPANOSOMA	1774
FIELD COMBINED WITH EM WAVES ON THE	EXPERIMENTAL	TRYPANOSOMES OF THE RABBIT	2619
INHIBITION OF	EXPERIMENTAL	TUMOR GROWTH IN HAMSTERS BY SMALL DIRECT CURRENTS	0036
HZ SHORT-WAVE DIATHERMIC HEATING IN	EXPERIMENTAL	TUMORS	0101
ON FOR INCREASING THE RESISTANCE TO	EXPERIMENTALLY		0455
OPACITIES IN THE LENS OF THE EYE	EXPERIMENTALLY	INDUCED BY EXPOSURE TO MICROWAVE RADIATION	0181
RETINAL DAMAGE	EXPERIMENTALLY	INDUCED BY MICROWAVE RADIATION AT 55 MW/CM2	3445
METHODS OF	EXPERIMENTALLY	IRRADIATING SMALL ANIMALS WITH CENTIMETRE WAVES	0056
POSURE SYSTEMS FOR RF AND MICROWAVE	EXPERIMENTATION		0581
OF MICROWAVES ON BIRDS: PRELIMINARY	EXPERIMENTS		1364
IC MICROWAVE IRRADIATION IN CHRONIC	EXPERIMENTS		1446
SURE DYNAMICS OF ANIMALS IN CHRONIC	EXPERIMENTS		2378
ABSORPTION OF MICROWAVES--LETHALITY	EXPERIMENTS		0670
THERAPY IN EARLY PREGNANCY, ANIMAL	EXPERIMENTS	(IN GERMAN)	2597
LOW-TEMPERATURE	EXPERIMENTS	IN RADIATION BIOPHYSICS (IN NORWEGIAN)	1748
SOME THEORY AND PRELIMINARY	EXPERIMENTS	ON MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS	1555
	EXPERIMENTS	ON PSYCHOMAGNETISM	2408
GENIC POWER OF SHF FIELDS. FURTHER	EXPERIMENTS	ON TENEBRIO MOLITOR COLEOPTERON	0578
FURTHER	EXPERIMENTS	SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF M	2387
FURTHER	EXPERIMENTS	SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF M	1963
MICROWAVE THERAPY	EXPERIMENTS	WITH B-16 MURINE MELANOMA	0155
ION OF HUMAN DETECTION OF WEAK EMR:	EXPERIMENTS	WITH DOWSERS	2293
AL EFFECTS OF MICROWAVE RADIATION:	EXPERIMENTS	WITH ENZYMES	2292
AL EFFECTS OF MICROWAVE RADIATION:	EXPERIMENTS	WITH LABORATORY ANIMALS	0386
L EXPOSURE OF ANIMALS IN BIOEFFECTS	EXPERIMENTS		2883
LTRA-SHORT-WAVE HYPERTHERMIA ANIMAL	EXPERIMENTS		1607
TWO MICROWAVE BIOLOGICAL EFFECTS	EXPERIMENTS	: HEART RATE AND MYOTATIC REFLEX OF FROGS	0529
AN	EXPLORATION	OF THE EFFECTS OF STRONG RADIO-FREQUENCY FIELDS ON MIC	2326
ALTERATION OF BBB: A STUDY TO	EXPLORE	NEW THERAPY FOR CNS LEUKEMIA	1669
RADIOMETRIC TECHNIQUES: A MEANS TO	EXPLORE	THE POSSIBLILITY OF COMMUNICATION IN BIOLOGICAL SYSTEMS	3599
SOVIETS	EXPOSE	MOSCOW EMBASSY TO MICROWAVE RADIATION	1765
R POSSIBLE IMPACT ON FIVE NATURALLY	EXPOSED	ANIMAL POPULATIONS	1947
STATE OF BRAIN SYNAPSES IN RABBITS	EXPOSED	CHRONICALLY TO THE ACTION OF MICROWAVES	1167
BIOLOGICAL MEASUREMENTS IN RODENTS	EXPOSED	CONTINUOUSLY THROUGHOUT THEIR ADULT LIFE TO PULSED EMR	1297
Y REACTION TIME IN SQUIRREL MONKEYS	EXPOSED	FOR SHORT PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIEL	1155
E OF 2450 MHZ CW MICROWAVES ON RATS	EXPOSED	IN-UTERO	1490
DRINE AND NIKETHAMIDE ON MICROWAVE-	EXPOSED	MICE	1924
TICULAR EFFECTS OF MICROWAVES AMONG	EXPOSED	PERSONNEL	0787
ION AND OPEN-FIELD BEHAVIOR IN RATS	EXPOSED	PRENATALLY TO AN ELF LOW-INTENSITY ROTATING MAGNETIC FIELD	1888
F THE ADRENAL AXIS IN THE MICROWAVE	EXPOSED	RAT	1700
OSITION IN A SPHERICAL MODEL OF MAN	EXPOSED	TO 1-20-MHZ EM FIELDS	2469
BIOLOGICAL EFFECTS IN RODENTS	EXPOSED	TO 10 TO THE EIGHTH POWER PULSES OF EMR	1778
MONKEY PHANTOMS, AND HUMAN PHANTOMS	EXPOSED	TO 10-50 MHZ FIELDS	2190
MONKEY PHANTOMS, AND HUMAN PHANTOMS	EXPOSED	TO 10-50 MHZ FIELDS	2644
THERMAL RESPONSE IN MACACA MULATTA	EXPOSED	TO 15- AND 20-MHZ RADIOFREQUENCY RADIATION	2799
RAT LYMPHOCYTES IN CELL CULTURE	EXPOSED	TO 2450 MHZ (CW) MICROWAVE RADIATION	0279
TION OF LYMPHOCYTE FUNCTION IN MICE	EXPOSED	TO 2450 MHZ (CW) MICROWAVES	0655
YNAMIC REGULATION IN DOGS CRANIALLY	EXPOSED	TO 2450 MHZ (CW) MICROWAVES	2676
OCRINE RESPONSES IN THE RAT AND DOG	EXPOSED	TO 2450 MHZ (CW) MICROWAVES	2671
RATE DISTRIBUTIONS IN PHANTOM HEADS	EXPOSED	TO 2450 MHZ AND 915 MHZ PLANE WAVE AND SLOT SOURCES	1972
THERMAL DENATURATION OF DNA	EXPOSED	TO 2450 MHZ CW MICROWAVE RADIATION	1433
ERMAL REGULATION IN LONG-EVANS RATS	EXPOSED	TO 2450 MHZ MICROWAVE RADIATION	3388
AND REPRODUCTIVE TESTS IN MALE RATS	EXPOSED	TO 425 OR 2450 MHZ (CW) MICROWAVES	2565
CONDUCTION VELOCITY IN NERVE	EXPOSED	TO A HIGH MAGNETIC FIELD	0760
CHANGES OF MUSCLE ACTION IN BIRDS	EXPOSED	TO A MICROWAVE FIELD	0855
AND THE SPINAL CORD IN LAB. ANIMALS	EXPOSED	TO A PULSED EM FIELD	0020
CARDIOVASCULAR CHANGES IN RABBITS	EXPOSED	TO A STATIC MAGNETIC FIELD OF 600 OE (IN JAPANESE)	0355
EPHRINE, HISTAMINE OR SEROTONIN AND	EXPOSED	TO ACUTE MICROWAVE IRRADIATION (IN POLISH)	0786
PHYSIOLOGICAL CHANGES IN ADULT RATS	EXPOSED	TO AN ELF ROTATING MAGNETIC FIELD	2327
CARBOHYDRATE METABOLISM IN ANIMALS	EXPOSED	TO AN ULTRAHIGH-FREQUENCY FIELD	

SOME BIOCHEMICAL CHANGES IN WORKING	EXPOSED TO CENTIMETER WAVES	3478
MORTALITY IN RATS	EXPOSED TO CW MICROWAVE RADIATION AT 0.95, 2.45, 4.54, AND 7.44 GH	1388
ELECTROCARDIOGRAMS OF RATS AND DOGS	EXPOSED TO DC MAGNETIC FIELDS	0232
ION OF LENS TRANSPARENCY IN PERSONS	EXPOSED TO ELECTROMAGNETIC RADIATION AT 27-30 MHZ FREQUENCY	3431
AN ECOLOGICAL SURVEY OF PLANTS	EXPOSED TO ELF EM FIELDS	1772
THMS IN PLANTS, INSECTS AND MAMMALS	EXPOSED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENTS	1781
BEHAVIORAL CHANGES IN ADULT RATS	EXPOSED TO ELF MAGNETIC FIELDS	0785
D IN THE TISSUES OF MAN AND ANIMALS	EXPOSED TO EM FIELDS	2840
OF HOMING PIGEONS (COLUMBIA LIVIA)	EXPOSED TO EM FIELDS AT PROJECT SANGUINE'S WISCONSIN TEST FACILITY	1755
WER DEPOSITION PATTERNS IN PHANTOMS	EXPOSED TO EM FIELDS OF ARBITRARY POLARIZATION-- EXAMPLE, THE MICR	1192
HEALTH STUDIES OF PERSONNEL	EXPOSED TO EM ULTRA-SHORT WAVE SOURCES IN TELEVISION AND RADIO BRO	1344
NGENITAL ANOMALIES IN MOUSE FETUSES	EXPOSED TO EMR	1615
OSOME STUDIES OF RADAR CENTRE STAFF	EXPOSED TO EMR (IN ITALIAN)	1007
G MEDICAL SURVEILLANCE OF PERSONNEL	EXPOSED TO EXTREMELY LOW FREQUENCY (ELF) EM FIELDS	1214
BLOOD PRESSURE MEASUREMENT IN DOGS	EXPOSED TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS	0865
OBIOLOGICAL STUDY OF RHESUS MONKEYS	EXPOSED TO EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC FIELDS	1212
HE MICROWAVE-PROTECTION OF BACTERIA	EXPOSED TO GAMMA IRRADIATION	0995
VER AND THE SMALL INTESTINE OF RATS	EXPOSED TO HIGH FREQUENCY ELECTROMAGNETIC FIELDS. (IN RUS.)	0146
TRUCTURES AND PHANTOM MODELS OF MAN	EXPOSED TO HIGH FREQUENCY EM FIELDS	1740
MINATION OF POWER ABSORPTION IN MAN	EXPOSED TO HIGH FREQUENCY EM FIELDS BY THERMOGRAPHIC MEASUREMENTS	1246
IN SPECIFIC BRAIN AREAS IN RODENTS	EXPOSED TO HIGH INTENSITY FIELDS	1290
TH AND DEVELOPMENT OF NEONATAL MICE	EXPOSED TO HIGH-FREQUENCY EM FIELDS	0743
EM POWER DEPOSITION IN MAN	EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PH	0811
AND NICKEL IN THE ORGANS OF A BODY	EXPOSED TO INDUSTRIAL AND SUPERHIGH FREQUENCY EM FIELDS	2806
E ORGANS AND DAILY URINE OF ANIMALS	EXPOSED TO LOW INTENSITY 10 CM WAVES	1358
THE SLEEP PROCESS OF RABBITS	EXPOSED TO LOW INTENSITY NONIONIZING EMR. I. DEVELOPMENT OF METHO	2174
ADENYL CYCLASE IN THE BRAIN OF RATS	EXPOSED TO LOW POWER DENSITY MICROWAVE RADIATION	2412
UNCTIONAL CHANGES IN HEALTHY HUMANS	EXPOSED TO LOW- INTENSITY MICROWAVE FIELDS	2262
PHYSICAL EVALUATION OF PERSONNEL	EXPOSED TO MICROWAVE EMANATIONS	2895
BEHAVIORAL CHANGES OF RATS	EXPOSED TO MICROWAVE RADIATION	1848
NAL ULCER IN PERSONS OCCUPATIONALLY	EXPOSED TO MICROWAVE RADIATION	1854
IN THE PERIPHERAL BLOOD OF THE RAT	EXPOSED TO MICROWAVE RADIATION (2400 MHZ) IN CONDITIONS OF CHRONIC	0682
VOLUME EXCHANGE ON SURVIVAL OF RATS	EXPOSED TO MICROWAVE RADIATION OF 24,000 MEGACYCLES	0469
AT PRODUCTION IN HUMAN TISSUES WHEN	EXPOSED TO MICROWAVES	0465
NEUROLOGIC FINDINGS IN PERSONS	EXPOSED TO MICROWAVES	0886
D TESTICULAR MICROSTRUCTURE OF MICE	EXPOSED TO MICROWAVES	2873
WORKERS OF RADIOTELEVISION STATIONS	EXPOSED TO MICROWAVES (IN POLISH)	1621
ENCEPHALOGRAPHIC STUDIES IN PERSONS	EXPOSED TO MICROWAVES (PRELIMINARY REPT.)	1944
E CELLS OF SACCHAROMYCES CEREVISIAE	EXPOSED TO MICROWAVES AT 2450 MHZ	2355
FIXED INTERVAL BEHAVIOR OF RATS	EXPOSED TO MICROWAVES AT LOW POWER DENSITIES	2764
ERICAL MODEL OF A CRANIAL STRUCTURE	EXPOSED TO MICROWAVES DUE TO LOOP OR DIPOLE ANTENN	0052
EMICAL CHANGES IN THE BRAIN OF RATS	EXPOSED TO MICROWAVES OF LOW POWER DENSITY	1141
ILLANCE OF PERSONNEL OCCUPATIONALLY	EXPOSED TO MICROWAVES, PART I: THEORETICAL CONSIDERATIONS AND PRAC	0796
ILLANCE OF PERSONNEL OCCUPATIONALLY	EXPOSED TO MICROWAVES, PART II: FUNCTIONAL DISTURBANCES	0797
ILLANCE OF PERSONNEL OCCUPATIONALLY	EXPOSED TO MICROWAVES, PART III: LENS TRANSLUCENCY	0798
IN MAMMALS OF THREE DIFFERENT SIZES	EXPOSED TO MICROWAVES: EXTRAPOLATION TO LARGER MAMMALS	0225
ARE YOUR WORKERS	EXPOSED TO NON-IONIZING RADIANT ENERGY?	0828
SITY OF AN EXCITABLE NERVE MEMBRANE	EXPOSED TO OPTICAL RADIATION	1839
MEDIA OF COMPLEX IRREGULAR GEOMETRY	EXPOSED TO PLANE WAVE EMR	2670
LAR TRIPLE-LAYERED TISSUE CYLINDERS	EXPOSED TO PLANE WAVE SOURCES	0851
ED GULL CHICKS (LARUS DELAWARENSIS)	EXPOSED TO PROJECT SANGUINE'S ELECTRIC AND MAGNETIC FIELDS	1762
ORIENTATION OF GULL CHICKS	EXPOSED TO PROJECT SANGUINE'S EM FIELD	0912
HEALTH CONDITION OF WORKERS	EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION	3193
HEMATOLOGIC EFFECTS IN MICE	EXPOSED TO PULSED AND CW MICROWAVES	0206
BIOLOGICAL EFFECTS IN RODENTS	EXPOSED TO PULSED EMR	0736
NDOCRINE FUNCTION IN RHESUS MONKEYS	EXPOSED TO PULSED MICROWAVE RADIATION	0254
OF STUDIES OF PEOPLE OCCUPATIONALLY	EXPOSED TO RADIO FREQUENCY RADIATION	1532
CAL CHANGES IN EXPERIMENTAL ANIMALS	EXPOSED TO RF EM FIELDS OF THE 155 AND 191 MHZ RANGE	1359
TRO RESPONSE OF LYMPHOCYTE CULTURES	EXPOSED TO RF RADIATION: PROGRESS REPT. ON FEASIBILITY AND DETERMI	2613
N FIVE ANIMAL POPULATIONS NATURALLY	EXPOSED TO SANGUINE EM FIELDS	1390
TEBRATES AND A VERTEBRATE NATURALLY	EXPOSED TO SANGUINE EM FIELDS	1706
N FIVE ANIMAL POPULATIONS NATURALLY	EXPOSED TO SANGUINE EM FIELDS	1763
ICAL CHANGES IN THE EYES OF RABBITS	EXPOSED TO SUPER-HIGH FREQUENCY RADIATION	0963
L GROUP IN THE BLOOD OF INDIVIDUALS	EXPOSED TO SUPERHIGH-FREQUENCY GENERATORS	1980
ENERATION OF THE CORNEAL EPITHELIUM	EXPOSED TO SUPERSTRONG CONSTANT MAGNETIC FIELDS (IN RUSSIAN)	1402

ING CHARACTERISTICS OF LAB. ANIMALS	EXPOSED TO TEN-CENTIMETER MICROWAVES	0473
ABILITY OF THE ERYTHROCYTES OF MICE	EXPOSED TO THE ACTION OF A MAGNETIC FIELD	1231
IC DISORDERS IN SEA ECONOMY WORKERS	EXPOSED TO THE ACTION OF EM WAVES	1164
G OF THE ORGAN OF VISION OF PERSONS	EXPOSED TO THE EFFECT OF MICROWAVES (WITH PARTICULAR CONSIDERATION	2578
G OF THE ORGAN OF VISION OF PERSONS	EXPOSED TO THE EFFECT OF MICROWAVES WITH PARTICULAR CONSIDERATION	3474
DIGESTIVE SYSTEM IN WORKERS	EXPOSED TO THE EFFECTS OF UHF EM FIELDS	1515
ORIENTATION OF HOMING PIGEONS	EXPOSED TO THE EM FIELDS AT PROJECT SANGUINE'S WISCONSIN TEST FACI	1767
F REGENERATION OF WOUNDS IN ANIMALS	EXPOSED TO THE LONG-TERM ACTION OF LOW-INTENSITY MICROWAVES	1519
RNS IN THE HEAD AND EYES OF RABBITS	EXPOSED TO TYPICAL MICROWAVE SOURCES	1864
TICS OF MULTI-LAYERED SPHERE MODELS	EXPOSED TO UHF/MICROWAVE RADIATION	1715
PRELIMINARY OBSERVATIONS OF CHICKS	EXPOSED TO WEAK AMPLITUDE MODULATED 450 MHZ FIELDS	2661
ENCY RADIO CURRENT ON HEALTH OF MEN	EXPOSED UNDER SERVICE CONDITIONS	0603
SERVEES CHEZ DES SOURIS ET DES RATS	EXPOSES AUX ONDES ULTRA-COURTES: ETUDE PARTICULIERE DES EFFETS DE	2919
A METHOD FOR	EXPOSING CELL CULTURES TO EM FIELDS UNDER CONDITIONS OF CONTROLLED	1686
RE, PART 1: MICROWAVE APPARATUS FOR	EXPOSING TISSUE AND THE EFFECT OF THE RADIATION ON SKIN RESPIRATIO	0523
UNOLOGICAL EFFECTS OF LOW MICROWAVE	EXPOSURE	0435
ABOLISM IN RATS FOLLOWING MICROWAVE	EXPOSURE	0482
OG TO 24,000 AND 1285 MHZ MICROWAVE	EXPOSURE	0617
(2400 MHZ) IN CONDITIONS OF CHRONIC	EXPOSURE	0682
BIOMEDICAL ASPECTS OF MICROWAVE	EXPOSURE	0703
BIOLOGIC EFFECTS OF MICROWAVE	EXPOSURE	0829
HEALTH HAZARDS FROM MICROWAVE	EXPOSURE	1319
COINCIDENT WITH 2450 MHZ MICROWAVE	EXPOSURE	1323
BIOLOGICAL EFFECTS OF MICROWAVE	EXPOSURE	1525
NERVOUS SYSTEM EFFECTS OF MICROWAVE	EXPOSURE	1600
GUIDES AND STANDARDS FOR MICROWAVE	EXPOSURE	1603
RESTRAINING MATERIALS ON MICROWAVE	EXPOSURE	1610
INAL CHANGES SECONDARY TO MICROWAVE	EXPOSURE	1861
L SYSTEMS UNDER MICROWAVE RADIATION	EXPOSURE	2291
PHYSIOLOGIC ADJUSTMENT TO MICROWAVE	EXPOSURE	2349
BRAIN TEMPERATURE DURING MICROWAVE	EXPOSURE	2383
TS OF LONG-TERM, LOW-DOSE MICROWAVE	EXPOSURE	2398
CILLUS SUBTILIS SPORES TO MICROWAVE	EXPOSURE	2407
OF BIOSYSTEMS TO CHRONIC MICROWAVE	EXPOSURE	2422
ORAL EFFECTS OF LOW LEVEL MICROWAVE	EXPOSURE	2576
D BIOCHEMICAL CHANGES FOLLOWING ELF	EXPOSURE	2636
FOR THE MAJOR SOURCES OF RADIATION	EXPOSURE	2975
AL TISSUES TO EVALUATE THE RISKS OF	EXPOSURE (IN ITALIAN)	2635
OCCUPATIONAL	EXPOSURE AND PUBLIC HEALTH ASPECTS OF MICROWAVE RADIATION	0898
A RADIOFREQUENCY RADIATION	EXPOSURE APPARATUS	1292
MICROWAVE	EXPOSURE ARRAY: IMPROVED FIELD MEASUREMENTS	2615
EXPOSURE FACILITY: MULTIPLE ANIMAL	EXPOSURE AT EQUAL POWER DENSITY	1617
POPULATION DATA BASE IN POPULATION	EXPOSURE CALCULATIONS	1196
A VERSATILE TEMPERATURE CONTROLLED	EXPOSURE CHAMBER FOR MICROWAVE BIOEFFECTS RESEARCH	1283
RADIATION	EXPOSURE CONSIDERATIONS WHEN EMPLOYING MICROWAVE- EXCITED SPECTROS	2567
CONSIDERATIONS OF MICROWAVE HAZARDS	EXPOSURE CRITERIA	0546
ISON OF THERMAL AND RADIO-FREQUENCY	EXPOSURE EFFECTS ON TRACE METAL CONTENT OF BLOOD PLASMA AND LIVER	1079
TROLLER FOR A RADIATION BIO-EFFECTS	EXPOSURE FACILITY	3384
MICROWAVE	EXPOSURE FACILITY: MULTIPLE ANIMAL EXPOSURE AT EQUAL POWER DENSITY	1617
RADIATION	EXPOSURE FROM INDUSTRIAL MICROWAVE APPLICATIONS	0686
A STUDY OF HEAD AND NECK	EXPOSURE FROM POLYTOMOGRAPHY	0632
NIMALS: THE EFFECT OF BODY MASS AND	EXPOSURE GEOMETRY	2736
A REVIEW OF INTERNATIONAL MICROWAVE	EXPOSURE GUIDES	0771
CONTROL OF MICROWAVE	EXPOSURE IN CANADA	0115
CONTROL OF MICROWAVE	EXPOSURE IN CANADA	0116
COMPUTATION OF PERSONNEL	EXPOSURE IN MICROWAVE LEAKAGE FIELDS AND COMPARISON WITH PERSONNEL	2392
THE EFFECT OF REPEATED MICROWAVE	EXPOSURE IN NEONATAL RATS	2885
RADIATION	EXPOSURE IN PARENTS OF CHILDREN WITH MONGOLISM (DOWN'S SYNDROME)	2035
AN ANALYSIS OF RADAR	EXPOSURE IN THE SAN FRANCISCO AREA	2794
NONIONIZING RADIATION	EXPOSURE IN URBAN AREAS OF THE UNITED STATES	2056
QUIPMENT AS THEY APPLY TO PERSONNEL	EXPOSURE LIMITS TO DESIGNATED RADIATIONS (PROPOSED)	3526
A NON-INVASIVE, PARTIAL-BODY	EXPOSURE METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF BIOLOGIC	0088
NEAR ZONE MICROWAVE	EXPOSURE OF A BIOLOGICAL SPHERE	1309
A SYSTEM FOR QUANTITATIVE CHRONIC	EXPOSURE OF A POPULATION OF RODENTS TO UHF FIELDS	1693
LECTOR APPLICATORS FOR MULTILATERAL	EXPOSURE OF ANIMALS IN BIOEFFECTS EXPERIMENTS	0386

EXPERIMENTAL RESULTS FROM	EXPOSURE OF ANIMALS TO AC ELECTRIC FIELD	3159
	EXPOSURE OF BACTERIA TO 2450 MHZ MICROWAVE RADIATION	0793
	EXPOSURE OF BACTERIA TO 2450 MHZ MICTOWAVE RADIATION	2993
OTOMETRIC OBSERVATION AND MICROWAVE	EXPOSURE OF BIOCHEMICAL SAMPLES	0871
OTOMETRIC OBSERVATION AND MICROWAVE	EXPOSURE OF BIOCHEMICAL SAMPLES	3383
CONTINUOUS	EXPOSURE OF CHICKS AND RATS TO EM FIELDS	0753
	EXPOSURE OF DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS	2180
UIPMENT AND METHODS EMPLOYED IN THE	EXPOSURE OF EXPERIMENTAL ANIMALS TO MICROWAVES AT 24,000 MEGACYCLE	1474
	EXPOSURE OF JAPANESE QUAIL EMBRYOS TO 2.45-GHZ MICROWAVE RADIATION	2547
A CLINICAL STUDY OF THE RESULTS OF	EXPOSURE OF LAB. PERSONNEL TO RADAR AND HIGH FREQUENCY RADIO	0468
	EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS	3128
	EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS	3129
	EXPOSURE OF MAN TO MAGNETIC FIELDS ALTERNATING AT EXTREMELY LOW FR	3102
	EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL ST	0969
	EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL ST	3016
	EXPOSURE OF RABBIT ERYTHROCYTES TO MICROWAVE RADIATION	0903
CHRONIC LOW-LEVEL	EXPOSURE OF RABBITS TO MICROWAVES	2156
	EXPOSURE OF RATS IN UTERO THROUGH EARLY LIFE TO 2450 MHZ (CW) MICR	2902
	EXPOSURE OF RATS TO 425 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON L	2903
ENCY VERTICAL, 45-HZ ELECTRIC FIELD	EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD AND WATER CONSUMPTION,	0957
UENCY (ELF) VERTICAL ELECTRIC FIELD	EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMPTION AND BLOOD	1787
UENCY (ELF) VERTICAL ELECTRIC FIELD	EXPOSURE OF RATS: IRRADIATION FACILITY	1788
CONTINUOUS	EXPOSURE OF RODENTS TO 10 TO THE 8TH POWER PULSES OF EMR	0826
IATURE ANECHOIC CHAMBER FOR CHRONIC	EXPOSURE OF SMALL ANIMALS TO PLANE-WAVE MICROWAVE FIELDS	0420
	EXPOSURE OF SQUIRREL MONKEYS FOR LONG PERIODS TO EXTREMELY LOW-FRE	1752
	EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45 GHZ MICROWAVE RADIAT	1321
SOME EFFECTS OF	EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIAT	1088
THE HYPOPHYSEOGONADAL SYSTEM DURING	EXPOSURE OF THE ORGANISM TO EM FIELDS WITH DIFFERENT CHARACTERISTI	1401
OF OCULAR PATHOLOGY AFTER REPEATED	EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES	0174
OF EEG FINDINGS IN RELATION TO THE	EXPOSURE OF USW RADIOWAVES (IN POLISH)	1943
THE EFFECT OF MICROWAVE	EXPOSURE ON BACTERIA MUTATION INDUCTION	2179
EFFECTS OF MICROWAVE	EXPOSURE ON BEHAVIOR AND RELATED PHENOMENA	0733
TITIVE PRENATAL LOW-LEVEL MICROWAVE	EXPOSURE ON DEVELOPMENT IN THE RAT	2677
THE INFLUENCE OF MICROWAVE	EXPOSURE ON FUNCTIONAL MATURATION OF THE RAT	2706
THE EFFECT OF REPEATED MICROWAVE	EXPOSURE ON NEONATAL RATS	2744
EFFECTS OF 45 HZ ELECTRIC FIELD	EXPOSURE ON RATS	2183
F EFFECTS OF LONG-TERM LOW-LEVEL RF	EXPOSURE ON RATS: A PLAN	0400
NCY EM FIELDS: EFFECT OF LONG- TERM	EXPOSURE ON SOIL ARTHROPODS AND OTHER ANIMALS IN NATURE	2160
ENCY EM FIELDS: EFFECT OF LONG-TERM	EXPOSURE ON SOIL ARTHROPODS IN NATURE	1769
EFFECT OF 'ELECTRIC RAY' OVEN	EXPOSURE ON SYSTEMIC LUPUS ERYTHEMATOSUS	2012
THE EFFECTS OF LOCALIZED MICROWAVE	EXPOSURE ON THE DOG THYROID	1606
THE EFFECTS OF MICROWAVE	EXPOSURE ON THYMIDINE UPTAKE IN ALBINO RATS	0719
STUDIES ON THE	EXPOSURE OT ELECTROMAGNETIC FIELDS IN THE COURSE OF HEAT TREATMENT	3409
RADIATION	EXPOSURE OVERVIEW-MICROWAVE OVENS AND THE PUBLIC-OCS 69-1	3047
INTERNATIONAL PROGRAM FOR MICROWAVE	EXPOSURE PROTECTION	0802
POWER VARIATIONS IN MICROWAVE	EXPOSURE RESULTING FROM DIFFERENT SOURCE GASES	1221
MICROWAVE	EXPOSURE SAFETY STANDARDS--PHYSIOLOGIC AND PHILOSOPHIC ASPECTS	2992
SR AND POLISH MICROWAVE PERMISSIBLE	EXPOSURE STANDARDS	1012
IELDS AND COMPARISON WITH PERSONNEL	EXPOSURE STANDARDS	2392
EMISSION AND	EXPOSURE STANDARDS FOR MICROWAVE RADIATION	2380
BIOLOGICAL EFFECTS AND	EXPOSURE STANDARDS FOR NON-IONIZING EM ENERGIES	1658
USAF	EXPOSURE STANDARDS FOR RADIOFREQUENCY/MICROWAVE HAZARDS CONTROL	2026
DEVELOPMENT OF AN RF NEAR-FIELD	EXPOSURE SYNTHESIZER (10 TO 40 MHZ)	1845
MICROWAVE	EXPOSURE SYSTEM FOR BIOLOGICAL SPECIMENS	1495
A MICROWAVE	EXPOSURE SYSTEM FOR PRIMATES	2741
VARIABLE FREQUENCY	EXPOSURE SYSTEM FOR SMALL BIOLOGICAL SPECIMENS	1265
A COAXIAL AIR LINE MICROWAVE	EXPOSURE SYSTEM: RESPIRATORY ACTIVITY OF MITOCHONDRIA IRRADIATED A	2175
IMPLEMENTING MICROWAVE BIOLOGICAL-	EXPOSURE SYSTEMS	0446
DESIGN AND STANDARDIZATION OF	EXPOSURE SYSTEMS FOR RF AND MICROWAVE EXPERIMENTATION	0056
ROSCOPY OF MOLECULAR SPECIES DURING	EXPOSURE TO 100-MHZ RADIO-FREQUENCY FIELDS	1084
E CONFINED IN A SMALL HOLDER DURING	EXPOSURE TO 2450 MHZ MICROWAVE RADIATION	2821
NSE OF THE DOG SUBJECTED TO CRANIAL	EXPOSURE TO 2450 MHZ MICROWAVES	2445
L AND BEHAVIORAL EFFECTS OF CHRONIC	EXPOSURE TO 2450-MHZ MICROWAVES	0414
N X-RAY SENSITIVITY OF CANCER AFTER	EXPOSURE TO 434 MHZ EMR	2452
E OF A GROUP OF MICE UNDER REPEATED	EXPOSURE TO 915 MHZ MICROWAVE RADIATION	2672

TION IN NORMAL CONDITIONS AND AFTER	EXPOSURE TO A CONSTANT MAGNETIC FIELD	0952
S IN THE PERIPHERAL BLOOD DURING AN	EXPOSURE TO A CONSTANT MAGNETIC FIELD (IN RUSSIAN)	1628
INTESTINAL MOTOR ACTIVITY FOLLOWING	EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIELD	1853
THE EFFECT OF BRIEF	EXPOSURE TO A MAGNETIC FIELD ON THE BLOOD SEDIMENTATION RATE IN HE	2014
THE EFFECTS OF PROTRACTED PRENATAL	EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN	2865
AR AND SYM- PATHETIC SYSTEMS DURING	EXPOSURE TO A STEADY MAGNETIC FIELD	0426
IN THE BLOOD SYSTEM DURING CHRONIC	EXPOSURE TO A SUPERHIGH-FREQUENCY FIELD	2013
E SYMPATHO-ADRENAL SYSTEM TO SINGLE	EXPOSURE TO AN ALTERNATING MAGNETIC FIELD	1230
IORAL EFFECTS OF PRE- AND NEO-NATAL	EXPOSURE TO AN ELF ROTATING MAGNETIC FIELD	1004
PRENATAL	EXPOSURE TO AN EXTREMELY LOW FREQUENCY-LOW INTENSITY ROTATING MAGN	0667
ULAR CHANGES RESULTING FROM CHRONIC	EXPOSURE TO AN ULTRAHIGH-FREQUENCY FIELD	1939
THOGENESIS OF INSULIN DEFICIENCY ON	EXPOSURE TO COMMERCIAL-FREQUENCY ALTERNATING MAGNETIC FIELD	0249
F EVOKED BRAIN POTENTIALS FOLLOWING	EXPOSURE TO CONSTANT MAGNETIC FIELD IN THE RAT (IN RUS.)	0160
DETERMINATION OF	EXPOSURE TO ELECTRIC FIELDS IN EXTRA HIGH VOLTAGE SUBSTATIONS	1644
BIOLOGICAL HAZARDS FROM	EXPOSURE TO ELF ELECTRICAL FIELDS AND POTENTIALS	0965
D DAMAGES DERIVED FROM OCCUPATIONAL	EXPOSURE TO EM FIELDS	0615
CLINICAL AND HYGIENIC ASPECTS OF	EXPOSURE TO EM FIELDS	1539
LOGRAPHIC DATA OBTAINED DURING LONG	EXPOSURE TO EM RADIO FREQUENCY FIELDS	1343
HUMAN THERMAL LOADING BY	EXPOSURE TO EMISSIONS FROM A MICROWAVE OVEN	1151
BIOMEDICAL EFFECTS OF	EXPOSURE TO EMR, PART II: BIOMEDICAL EFFECTS ON THE EYE FROM EXPOS	1215
EFFECT OF CONTINUOUS	EXPOSURE TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON RATS	1421
ASSESSING THE POTENTIAL FOR	EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWE	1422
ASSESSING THE POTENTIAL FOR	EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWE	3251
THE PSYCHOLOGIC CONSEQUENCES OF	EXPOSURE TO HIGH DENSITY PULSED EM ENERGY	2084
DAMAGES RESULTING FROM OCCUPATIONAL	EXPOSURE TO HIGH FREQUENCY EM FIELDS (IN ITALIAN)	2395
RIOUS SYSTEMS OF THE ORGANISM UNDER	EXPOSURE TO HIGH-INTENSITY MICROWAVE FIELDS	2257
THE EFFECT OF CONTINUOUS	EXPOSURE TO LOW FREQUENCY ELECTRIC FIELDS ON THREE GENERATIONS OF	0674
EFFECTS IN RODENTS OF A 1-MONTH	EXPOSURE TO MAGNETIC FIELDS (200-1200 GAUSS)	1109
ING PATTERNS PRODUCED IN TISSUES BY	EXPOSURE TO MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AND 900 MEGAC	3329
CORTICO-GRAPHIC MODIFICATIONS AFTER	EXPOSURE TO MICROWAVE FIELDS, ON THE WHITE RAT	1949
ARDIOVASCULAR SYSTEM AS AFFECTED BY	EXPOSURE TO MICROWAVE RADIATION	0063
F THE EYE EXPERIMENTALLY INDUCED BY	EXPOSURE TO MICROWAVE RADIATION	0455
EXAMINATION OF THE CORNEA FOLLOWING	EXPOSURE TO MICROWAVE RADIATION	0663
ANALYSIS OF OCCUPATIONAL	EXPOSURE TO MICROWAVE RADIATION	0876
UATION OF THE BIOLOGICAL EFFECTS OF	EXPOSURE TO MICROWAVE RADIATION	2500
UATION OF THE BIOLOGICAL EFFECTS OF	EXPOSURE TO MICROWAVE RADIATION	3389
SES OF DEATH FOLLOWING OCCUPATIONAL	EXPOSURE TO MICROWAVE RADIATION (RADAR) 1950-1974	2681
RATE BINDING TO RIBONUCLEASE DURING	EXPOSURE TO MICROWAVE RADIATION AT 1.70 AND 2.45 GHZ	3382
GIC AND PATHOPHYSIOLOGIC EFFECTS OF	EXPOSURE TO MICROWAVES	0112
M TO ASSESS THE EFFECTS ON MAN FROM	EXPOSURE TO MICROWAVES	0503
	EXPOSURE TO MICROWAVES	0555
HEALTH HAZARDS FROM	EXPOSURE TO MICROWAVES	0783
MICAL AND NEUROENDOCRINE ASPECTS OF	EXPOSURE TO MICROWAVES	1057
FUNCTION IN WORKMEN WITH LONG-TERM	EXPOSURE TO MICROWAVES	1318
AT CEREBRAL CORTEX DURING LONG-TERM	EXPOSURE TO MICROWAVES	1462
PATHOPHYSIOLOGICAL ASPECTS OF	EXPOSURE TO MICROWAVES	1597
LLUMINATION FACILITY FOR BIOLOGICAL	EXPOSURE TO MICROWAVES	2433
IONS IN THE RAT INDUCED BY A SINGLE	EXPOSURE TO MICROWAVES	2444
HEALTH HAZARDS FROM	EXPOSURE TO MICROWAVES	3092
HE CELLS OF CORTI'S ORGAN FOLLOWING	EXPOSURE TO MICROWAVES (IN POLISH)	0990
IN GUINEA PIGS FOLLOWING LONG-TERM	EXPOSURE TO MICROWAVES (IN POLISH)	1901
ATION IN THE LIVER DURING PROLONGED	EXPOSURE TO MICROWAVES (IN RUSSIAN)	1838
MEDICAL CONSIDERATIONS OF	EXPOSURE TO MICROWAVES (RADAR)	0604
MEDICAL CONSIDERATIONS OF	EXPOSURE TO MICROWAVES (RADAR)	1570
OLOGICAL EFFECTS EVOKED BY COMBINED	EXPOSURE TO MICROWAVES AND HIGH AIR TEMPERATURE	1455
BIOMEDICAL EFFECTS ON THE EYE FROM	EXPOSURE TO MICROWAVES AND IONIZING RADIATIONS	1215
THE EFFECTS OF COMBINED	EXPOSURE TO MICROWAVES AND SOFT X-RAYS ON IMMUNOBIOLOGICAL REACTIV	1453
WORKING UNDER CONDITIONS INVOLVING	EXPOSURE TO MICROWAVES OF DIFFERENT INTENSITY	2360
GIC AND PATHOPHYSIOLOGIC EFFECTS OF	EXPOSURE TO MICROWAVES OR ULTRASONIC ENERGY--AN OVERVIEW	1596
HEALTH HAZARDS FROM	EXPOSURE TO MICROWAVES	3253
EFFECTS OF	EXPOSURE TO MICROWAVES: PROBLEMS AND PERSPECTIVES	1299
REACTIONS OF LIVING ORGANISMS TO	EXPOSURE TO MILLIMETER- BAND ELECTROMAGNETIC WAVES	3272
REACTIONS OF LIVING ORGANISMS TO	EXPOSURE TO MILLIMETER-BAND EM WAVES	2305
CATARACT AFTER	EXPOSURE TO NON-IONIZING RADIANT ENERGY	2042
CONTROL OF OCCUPATIONAL	EXPOSURE TO NON-IONIZING RADIATION	2220

HUMAN	EXPOSURE TO NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AND SAFE	0534
HUMAN	EXPOSURE TO NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AND SAFE	3217
FAILURE OF CHRONIC	EXPOSURE TO NONTHERMAL FM RADIO WAVES TO MUTATE DROSOPHILA	2587
EEG CONCOMITANTS OF	EXPOSURE TO OSCILLATING ENVIRONMENTAL ELECTRIC FIELDS	1393
EFFECTS OF	EXPOSURE TO PULSED MICROWAVES (RADAR) ON CENTRAL NERVOUS SYSTEM EX	0637
NG HEPATIC TISSUE FOLLOWING IN VIVO	EXPOSURE TO R. F. RADIATION	0867
EVISIONS TO ANSI STANDARD C95.1 FOR	EXPOSURE TO RADIO FREQUENCY AND MICROWAVE RADIATIONS	1789
RDS OF ARTIFICIAL CARDIAC PACEMAKER	EXPOSURE TO RADIO FREQUENCY FIELDS AND ELECTRIC SHOCK	0527
NON-THERMAL HAZARDS OF	EXPOSURE TO RADIO FREQUENCY FIELDS. MICROWAVE STUDIES	0967
EFFECT OF	EXPOSURE TO RADIO-FREQUENCY ELECTRIC FIELDS ON SEED-BORNE MICROORG	1921
OCCUPATIONAL	EXPOSURE TO RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	0405
A-AMYLASE SOLUTIONS FOLLOWING THEIR	EXPOSURE TO RADIO-FREQUENCY ENERGY	2954
LEOPTERA: TENEBRIONIDAE), FOLLOWING	EXPOSURE TO RADIOFREQUENCY ELECTRIC FIELDS	0493
PERMISSIBLE NONIONIZING	EXPOSURE TO RF ENERGY & DEPARTMENT OF LABOR RULES AND REGULATIONS	3516
ANIMAL POPULATIONS AFTER LONG-TERM	EXPOSURE TO SANGUINE/SEAFARER ELF EM FIELDS IN NATURE	1647
THE EFFECTS OF COMBINED	EXPOSURE TO SHF EM FIELDS AND SOFT X-RAYS ON THE PERIPHERAL BLOOD	1452
IS OF YEAST CELL INACTIVATION AFTER	EXPOSURE TO SHF IRRADIATION. (IN RUSSIAN)	0338
S IN IMMUNIZED ANIMALS ON LONG-TERM	EXPOSURE TO SHF RADIO WAVES	0994
IOVASCULAR DISORDERS DURING CHRONIC	EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS	2553
THE HEART OF THE INTACT FROG DURING	EXPOSURE TO SUPERHIGH FREQUENCY FIELD	2809
SEASES IN PERSONS WITH A HISTORY OF	EXPOSURE TO THE EFFECT OF AN EM FIELD OF EXTRA-HIGH FREQUENCY (IN	0591
THE EFFECT OF	EXPOSURE TO THE INTACT ORGANISM TO A CONSTANT MAGNETIC FIELD ON TH	2490
ELEMENTARY EXCITABLE STRUCTURES ON	EXPOSURE TO VERY LOW INTENSITY IRRADIATION	1461
POPULATION	EXPOSURE TO VHF AND UHF BROADCAST RADIATION IN THE UNITED STATES	0104
ANIMAL POPULATIONS AFTER PROLONGED	EXPOSURE TO WEAK EXTREMELY LOW FREQUENCY EM FIELDS IN NATURE	1108
EYE DAMAGE FROM REPEATED	EXPOSURE TO WELDING ARCS	0705
VE HEATING: A STUDY OF THE CRITICAL	EXPOSURE VARIABLES FOR MAN AND EXPERIMENTAL ANIMALS	2913
E SERUM ALBUMIN WITH A CROSSED-BEAM	EXPOSURE-DETECTION SYSTEM	1083
DEGRADATION DURING MICROWAVE ENERGY	EXPOSURE	0349
ER RAT BEHAVIOR FOLLOWING OVERNIGHT	EXPOSURE	0417
REQUENCY SAFETY STANDARDS FOR HUMAN	EXPOSURE	0439
SERUM ALBUMIN USING A CROSSED BEAM	EXPOSURE /DETECTION SYSTEM	3555
ENVIRONMENTAL NONIONIZING RADIATION	EXPOSURE : A PRELIMINARY ANALYSIS OF THE PROBLEM AND CONTINUING WOR	3110
HEALTH HAZARDS FROM TELEMETRY RF	EXPOSURE ? A REVIEW ON THE INTERACTIONS BETWEEN EM FIELDS AND BIOSY	2027
IFE DURING HIGH-INTENSITY MICROWAVE	EXPOSURES	0715
RMANCE ASSESSMENT FOLLOWING 3.2-GHZ	EXPOSURES	0740
EVALUATION AND CONTROL OF	EXPOSURES IN REPAIRING MICROWAVE OVENS	0714
OUS BACTERIA TO MICROWAVE RADIATION	EXPOSURES IN THE FREQUENCY RANGE OF 2608.7-3082.3 MC	3220
STUDIES ON MAGNETIC FIELD	EXPOSURES OF DROSOPHILA MELANOGASTER AND PELVETIA FASTIGIATA	2563
PARAMETERS FOLLOWING TWO LONG- TERM	EXPOSURES OF MICE TO MICROWAVE FIELDS (IN GERMAN)	2708
EFFECTS OF MICROWAVE	EXPOSURES ON THE CENTRAL NERVOUS SYSTEM OF BEAGLES	2510
EFFECTS OF PRE-AND POST-NATAL	EXPOSURES TO 918 MHZ MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVI	2700
ANT BEHAVIOR IN RATS AFTER MULTIPLE	EXPOSURES TO MICROWAVE RADIATION	2763
RMAL EFFECTS OF SINGLE AND REPEATED	EXPOSURES TO MICROWAVES--A REVIEW	1370
ESPOND TO ELF ELECTROMAGNETIC FIELD	EXPOSURES	0164
ENVIRONMENTAL NONIONIZING RADIATION	EXPOSURES	0362
OPE-GENERATED EM INTERFERENCE IN AN	EXTERNAL DEMAND PACEMAKER--REPT. OF A CASE	2370
BOUND ATP SYNTHESIS GENERATED BY AN	EXTERNAL ELECTRIC FIELD	0671
METAL CAPSULE OF PACEMAKERS AGAINST	EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENCH)	2588
	EXTERNAL FIELD EM MEASUREMENT OF BLOOD FLOW	0752
PACEMAKERS AND	EXTERNAL INTERFERENCE	2009
INTERNAL DOSIMETRY AND	EXTERNAL MICROWAVE FIELD MEASUREMENTS USING MINIATURE ELECTRIC FIE	2668
POSSIBLE CARDIAC DRIVING BY AN	EXTERNAL ROTATING MAGNETIC FIELD	1013
L INDUCTION OF CALLUS FORMATION AND	EXTERNAL SKELETAL FIXATION USING METHYL METHACRYLATE FOR DELAYED U	2781
URE TO THE EFFECT OF AN EM FIELD OF	EXTRA-HIGH FREQUENCY (IN RUSSIAN WITH ENGLISH SUMMARY)	0591
OGRAPHY ON SAFE HUMAN THRESHOLDS TO	EXTRA-LOW-FREQUENCY ELECTRIC CURRENT	0510
	EXTRACORPOREAL HEMOLYSIS OF BLOOD IN A MICROWAVE BLOOD WARMER	0721
NIQUES RE TRIGEMINAL NUCLEOTOMY AND	EXTRALEMNISCAL MYELOTOMY	3426
ATHERMY ON THE FLOW OF BLOOD IN THE	EXTREMITIES	0656
UPON HEALING OF ULCERS OF THE LOWER	EXTREMITIES (IN RUSSIAN)	2719
ACUTE THROMBOPHLEBITIS OF THE LOWER	EXTREMITIES UNDER THE INFLUENCE OF A CONSTANT MAGNETIC FIELD	2479
ETIC THERAPY OF PAINFUL NEUROMAS OF	EXTREMITY STUMPS (IN RUSSIAN)	2845
ONS OF THE OCULAR LENS IN THE HUMAN	EYE	0114
EFFECT OF MICROWAVES ON THE	EYE	0449
CTION OF MICROWAVE RADIATION ON THE	EYE	0457

RADIATION EFFECTS ON THE	EYE	0480
EFFECT OF MICROWAVES ON THE RABBIT	EYE	0675
ON THE EFFECT OF MICROWAVES ON THE	EYE	0699
ROWAVE RADIATION IN RELATION TO THE	EYE	0732
L OF THE MICROWAVE-IRRADIATED HUMAN	EYE	1043
N THE LENS EPITHELIUM IN THE RABBIT	EYE	1044
MENTAL MICROWAVE IRRADIATION OF THE	EYE	1067
OF 2450-MHZ RADIATION ON THE RABBIT	EYE	1301
PATION OF MICROWAVES AS HEAT IN THE	EYE	1531
EMR: EFFECTS ON THE	EYE	1599
AHIGH-FREQUENCY FIELD ON THE RABBIT	EYE	1860
107 GHZ CW MICROWAVES ON THE RABBIT	EYE	2155
FFECT OF MICROWAVE RADIATION ON THE	EYE	2472
E IRRADIATIONS TO THE ALBINO RABBIT	EYE	2682
ASCORBIC ACID LEVELS IN THE RABBIT	EYE	2685
N, WITH PARTICULAR REFERENCE TO THE	EYE	2869
STUDIES IN DIATHERMY APPLIED TO THE	EYE AND ORBIT A. THERMAL EFFECT OF DIATHERMY	3365
	EYE DAMAGE FROM REPEATED EXPOSURE TO WELDING ARCS	0705
OPACITIES IN THE LENS OF THE	EYE EXPERIMENTALLY INDUCED BY EXPOSURE TO MICROWAVE RADIATION	0455
PART II: BIOMEDICAL EFFECTS ON THE	EYE FROM EXPOSURE TO MICROWAVES AND IONIZING RADIATIONS	1215
CHANGES IN ANTERIOR SEGMENT OF THE	EYE IN WORKERS SUBJECTED TO THE ACTION OF LOCAL VIBRATION AND HIGH...	2073
DIELECTRIC PROPERTIES OF THE BOVINE	EYE LENS	3379
FECTS OF MICROWAVE DIATHERMY ON THE	EYE OF THE RABBIT	3367
	EYE PROTECTION IN RADAR FIELDS	0579
EXPERIMENTAL INJURY TO THE	EYE WITH ULTRA-HIGH-FREQUENCY EM FIELDS	1859
SSING MICROWAVES AS A HAZARD TO THE	EYE--PROGRESS AND PROBLEMS	1257
FECTS OF MICROWAVE DIATHERMY ON THE	EYE	3366
AR CONSIDERATION OF DULLNESS IN THE	EYELENSES	3474
AR CONSIDERATION OF DULLNESS IN THE	EYELENSES)	2578
ECT OF MICROWAVE RADIATION ON HUMAN	EYES	2151
INDUCED TEMPERATURE RISES IN RABBIT	EYES IN CATARACT RESEARCH	1271
R PHYSICAL CHANGES IN THE LENSES OF	EYES IRRADIATED BY MICROWAVES	1581
MICROWAVE RADIATION EFFECTS ON THE	EYES OF RABBITS AT 2450 MHZ AND 918 MHZ	1858
PATHOHISTOLOGICAL CHANGES IN THE	EYES OF RABBITS EXPOSED TO SUPER-HIGH FREQUENCY RADIATION	0963
RBED POWER PATTERNS IN THE HEAD AND	EYES OF RABBITS EXPOSED TO TYPICAL MICROWAVE SOURCES	1864
TION OF PROBES USED FOR EXPLORATORY	FAA FIELD INTENSTIY SURVEYS	1952
RATORY FIELD INTENSITY SURVEYS NEAR	FAA TRANSMITTING ANTENNAS	1953
D MAGNETIC FIELDS ON ROOTS OF VICIA	FABA	0863
D MAGNETIC FIELDS ON ROOTS OF VICIA	FABA	1171
ASMA IMPEDANCE ELEMENT IN AN ACTIVE	FABROY-PEROT MICROWAVE RESONATOR	3308
ADIOFREQUENCY DENERVATION OF SPINAL	FACETS	1331
EFFECT OF MICROWAVE OVEN ON	FACIAL RADIODERMATITIS	2011
MEASUREMENTS IN SELECTED BROADCAST	FACILITES	1643
ELECTRICAL SAFETY IN HEALTH-CARE	FACILITIES	2357
DOMONAS PUTREFACIENS, STREPTOCOCCUS	FAECALIS AND LACTOBACILLUS PLANTARUM IN MEAT TISSUE	2693
HERTZ MICROWAVES UPON STREPTOCOCCUS	FAECALIS AND SACCHAROMYCES CEREVISIAE	1920
INFARCTION OF	FALLOPIAN TUBE AFTER TUBAL DIATHERMY	0846
AIR SAFETY: ROLE OF	FAMILY PHYSICIAN	0346
ROWAVE IRRADIATION OF TUMORS IN THE	FAR FIELD	2453
NT OF MICROWAVE POWER DENSITY UNDER	FAR-FIELD CONDITIONS	1102
SIMULTANEOUS	FAR-FIELD IRRADIATION OF MULTIPLE MOUSE TUMORS FOR MICROWAVE HYPER	0322
PRELIMINARY STUDIES:	FAR-FIELD MICROWAVE DOSIMETRIC MEASUREMENTS OF A FULL-SCALE MODEL	0432
BIOLOGICAL FLUIDS AT MILLIMETER AND	FAR-INFRARED WAVELENGTHS	2195
BOLISM OF WHITE MICE MAINTAINING IN	FARADAY CAGES AND IN AN ELECTRIC FIELD, OSCILLATING WITH RECTANGUL	2646
ERRITORY CHOICE OF WHITE MICE UNDER	FARADAY CONDITIONS AND IN ELECTRICAL FIELDS (IN GERMAN)	2637
OLYTE-BALANCE OF WHITE MICE KEPT IN	FARADAY-CAGES AND IN AN ELECTRIC FIELD OF RECTANGULAR 10 CYCLES (I	2645
ROSOPHILA MELANOGASTER AND PELVETIA	FASTIGIATA	2563
AND PENETRATION DEPTH OF MUSCLE AND	FAT TISSUES BETWEEN 40 AND 90 GHZ	1234
DENSITY,	FAT , WATER AND SOLIDS IN FRESHLY ISOLATED TISSUES	0444
HEATING OF	FAT-MUSCLE LAYERS BY ELECTROMAGNETIC AND DIATHERMY	3374
CONTROL OF VISUAL	FATIGUE BY MEANS OF DC AND AC ELECTRIC FIELDS	1675
BRAIN FREE	FATTY ACID LEVELS IN RATS SACRIFICED BY DECAPITATION VERSUS FOCUSE	0928
PHYSICAL PROPERTIES OF	FATTY ACID METHYL ESTERS.V. DIELECTRIC CONSTANT	3199
CTRIC PROPERTIES OF SOME LONG CHAIN	FATTY ACIDS AND THEIR METHYL ESTERS IN THE MICROWAVE REGION	3201
ORS OF MICROWAVE RADIATION I. BIRD	FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS	2458

THE PROPERTIES OF BIRD	FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF	2218
THE PROPERTIES OF BIRD	FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF	2458
RS OF MICROWAVE RADIATION II. BIRD	FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION	2218
THE PROPERTIES OF BIRD	FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION AT KU-BAND	1830
BIRD	FEATHERS AS DIELECTRIC RECEPTORS OF RF FIELDS	1831
THE PROPERTIES OF BIRD	FEATHERS AS PIEZOELECTRIC TRANSDUCERS AND MICROWAVE RECEPTORS	2816
BIRD	FEATHERS AS SENSORY DETECTORS OF MICROWAVE FIELDS	1543
EFFECTS OF EM FIELDS ON	FECUNDITY IN THE CHICKEN	1089
ATTEMPTS TO INFLUENCE THE	FEEDING BEHAVIOUR OF BROWN RATS USING ELECTROMAGNETISM	0348
NTS TAKEN WITH RECEIVING ANTENNA 10	FEET ABOVE GROUND- NEW YORK CITY UHF-TV PROJECT	3524
ODIES BY NONUNIFORM ELECTROMAGNETIC	FEILDS	0137
ENTIMETER WAVES ON THE FERTILITY OF	FEMALE MICE	1361
SOME INDICES OF FERTILITY OF	FEMALE MICE IRRADIATED WITH 10-CENTIMETER WAVES	2874
ACTOR IN PITUITARY STALK BLOOD FROM	FEMALE RATS: SEX STEROID MODULATION OF RESPONSE TO ELECTRICAL STIM	0635
A HYBRID	FERRIMAGNETIC-DIELECTRIC MICROWAVE FILTER	3352
VE BEHAVIOR OF PARTIALLY MAGNETIZED	FERRITES	3355
ATURE ON TESTICULAR DEVELOPMENT AND	FERTILITY IN THE MALE RAT	2890
W INTENSITY CENTIMETER WAVES ON THE	FERTILITY OF FEMALE MICE	1361
SOME INDICES OF	FERTILITY OF FEMALE MICE IRRADIATED WITH 10-CENTIMETER WAVES	2874
PRESENT	FESMDERAL CONTROL OF HEALTH HAZARDS FROM ELECTRONIC PRODCUCT RADIA	3035
AGNOSTIC ULTRASOUND ON MATERNAL AND	FETAL CHROMOSOMES	2938
INCREASED UTERINE ACTIVITY AND	FETAL DETERIORATION DURING MATERNAL HYPERTHERMIA	2866
ACCELERATION AND DECELERATION OF	FETAL GROWTH OF RATS BY 2450 MHZ MICROWAVE IRRADIATION	0222
AND GREATER LONGEVITY IN MICE AFTER	FETAL IRRADIATION BY 2450-MHZ MICROWAVES	0026
RVIVAL, AND REVERSAL LEARNING AFTER	FETAL IRRADIATION OF MICE BY 2450-MHZ MICROWAVE ENERGY	1805
	FETAL RAT DEVELOPMENT IN RESPONSE TO MICROWAVE RADIATION	2899
HEMATOLOGICAL RESPONSE OF	FETAL RATS FOLLOWING 2450 MHZ MICROWAVE IRRADIATION	3387
MICROWAVE FIXATION OF	FETAL SPECIMENS	2767
IR EFFECTS ON THE RODENT EMBRYO AND	FETUS	2359
PREGNANT RATS AND THE EFFECT ON THE	FETUS	2878
OBSERVATIONS OF MOUSE	FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES	0006
OBSERVATIONS OF MOUSE	FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES - LETTERS TO TH	0410
ON OF CONGENITAL ANOMALIES IN MOUSE	FETUSES EXPOSED TO EMR	1615
ARE MOUSE	FETUSES WHICH SURVIVE MICROWAVE RADIATION PERMANENTLY AFFECTED THE	1247
THE PRODUCTION OF	FEVER IN MAN BY SHORT RADIO WAVES	0454
EM PROBE WITH	FIBER OPTIC TELEMETRY SYSTEM	1930
DISCUSSION PAPER:	FIBEROPTIC LIQUID CRYSTAL PROBE FOR ABSORBED RADIO-FREQUENCY POWER	1103
LIQUID-CRYSTAL	FIBEROPTIC RF PROBES, PART 1: TEMPERATURE PROBE FOR M/W FIELDS	1723
LIQUID-CRYSTAL	FIBEROPTIC RF PROBES, PART 2: A MICROWAVE POWER PROBE	1724
LIQUID CRYSTAL	FIBEROPTIC TEMPERATURE PROBE FOR THE MEASUREMENT OF EM POWER ABSOR	1749
ACTILITY IN PATIENTS WITH AURICULAR	FIBRILLATION (IN RUSSIAN)	1396
INTRACARDIAC CATHETER	FIBRILLATION THRESHOLDS AS A FUNCTION OF THE DURATION OF 60 HZ CUR	1520
VES ON PRODUCTION OF PROTEASES WITH	FIBRINOLYTIC ACTIVITY IN ASPERGILLUS ORYZAE (AHLB.) COHN (STRAIN O	2828
NT HYPERTHERMIA ON A RADIORESISTANT	FIBROSARCOMA IN THE MOUSE	2335
RIES IN PRESENCE OF STATIC MAGNETIC	FIELD	0017
THE INFLUENCE OF A STEADY MAGNETIC	FIELD	0064
S OF PLATELETS IN CONSTANT MAGNETIC	FIELD	0090
CHLOROPLASTS ORIENTED IN A MAGNETIC	FIELD	0197
R THE EFFECT OF A CONSTANT MAGNETIC	FIELD	0245
CIAL-FREQUENCY ALTERNATING MAGNETIC	FIELD	0249
THE EFFECT OF A PERMANENT MAGNETIC	FIELD	0280
EFFECT OF A LOW-FREQUENCY PULSED EM	FIELD	0443
OF CELLS IN AN ALTERNATING ELECTRIC	FIELD	0563
VE EXCITATION BY A LOW INTENSITY EM	FIELD	0647
S GENERATED BY AN EXTERNAL ELECTRIC	FIELD	0671
HM INFLUENCED BY NEAR ZERO MAGNETIC	FIELD	0688
AL SPECIMEN IN A 2450 MHZ MICROWAVE	FIELD	0744
ION IN BIRDS EXPOSED TO A MICROWAVE	FIELD	0760
EXPOSED TO AN ELF ROTATING MAGNETIC	FIELD	0786
ELF LOW-INTENSITY ROTATING MAGNETIC	FIELD	0787
RVE IN EXCITABLE STATE IN MICROWAVE	FIELD	0794
LAB. ANIMALS EXPOSED TO A PULSED EM	FIELD	0855
KS EXPOSED TO PROJECT SANGUINE'S EM	FIELD	0912
D STOPPING BLOOD FLOW BY A MAGNETIC	FIELD	0950
G THE ACTION OF A CONSTANT MAGNETIC	FIELD	0951

TER EXPOSURE TO A CONSTANT MAGNETIC	FIELD		0952
ND A CONSTANT INHOMOGENOUS MAGNETIC	FIELD		1002
XPOSURE TO AN ELF ROTATING MAGNETIC	FIELD		1004
NG BY AN EXTERNAL ROTATING MAGNETIC	FIELD		1013
K EMBRYO DEVELOPMENT IN A 26-KHZ EM	FIELD		1014
DS RESPOND TO PROJECT SEAFARER'S EM	FIELD		1016
HE DIRECTION OF AN APPLIED MAGNETIC	FIELD		1021
DEVICE FOR CATS IN AN UHF EM ENERGY	FIELD		1045
THE ACTION OF A SUPERHIGH-FREQUENCY	FIELD		1185
EXPOSURE TO AN ALTERNATING MAGNETIC	FIELD		1230
EXPOSED TO THE ACTION OF A MAGNETIC	FIELD		1231
LOGIC EFFECTS OF A PULSED MICROWAVE	FIELD		1274
R THE ACTION OF A CONSTANT MAGNETIC	FIELD		1308
LOGICAL ACTION OF A PULSED MAGNETIC	FIELD		1375
GS INDUCED BY A THREE CENTIMETER EM	FIELD		1488
US/ UNDER THE INFLUENCE OF A UHF EM	FIELD		1500
EFFECT OF A LOW-FREQUENCY PULSED EM	FIELD		1514
LIFE AND THE MAGNETIC	FIELD		1552
HE ANTITUMORAL EFFECT OF A MAGNETIC	FIELD		1557
ORIENTED IN A HOMOGENEOUS MAGNETIC	FIELD		1605
ST MEMBRANES ORIENTED IN A MAGNETIC	FIELD		1618
TURE OF AN EXTREMELY HIGH-FREQUENCY	FIELD		1716
R OF UNICELLULAR ORGANISMS IN AN EM	FIELD		1729
PROBE ERROR IN AN X-BAND MICROWAVE	FIELD		1818
SECTS IN A NON-UNIFORM MICROWAVE EM	FIELD		1847
POSURE TO A HIGH-FREQUENCY ELECTRIC	FIELD		1853
DER THE INFLUENCE OF A UHF ELECTRIC	FIELD		1856
E, PARAMECIUM BURSARIA FOCKE, IN EM	FIELD		1913
NIC EFFECT OF A SUPERHIGH FREQUENCY	FIELD		1938
EXPOSURE TO AN ULTRAHIGH-FREQUENCY	FIELD		1939
PHYTOTOXICITY OF A UHF EM	FIELD		1975
C EXPOSURE TO A SUPERHIGH-FREQUENCY	FIELD		2013
WO STRAINS OF MICE IN A 60-HERTZ EM	FIELD		2038
RGANS OF MICE INDUCED BY A MAGNETIC	FIELD		2097
BY MEANS OF AN ALTERNATING MAGNETIC	FIELD		2111
LONE CELLS IN A NONUNIFORM ELECTRIC	FIELD		2232
ONE GROWTH IN A CONTROLLED ELECTRIC	FIELD		2236
SEEKING BEHAVIOR UNDER ACTION OF EM	FIELD		2313
S EXPOSED TO AN ULTRAHIGH-FREQUENCY	FIELD		2327
INSIC MEMBRANE PROTEIN AND ELECTRIC	FIELD		2367
IGEON TO AN EARTH-STRENGTH MAGNETIC	FIELD		2371
RYTHROCYTES BY A TRANSIENT ELECTRIC	FIELD		2372
VE IRRADIATION OF TUMORS IN THE FAR	FIELD		2453
NE FRAGMENTS IN A CONSTANT MAGNETIC	FIELD		2478
HE INFLUENCE OF A CONSTANT MAGNETIC	FIELD		2479
IN NERVE EXPOSED TO A HIGH MAGNETIC	FIELD		2565
YPNOGENIC EFFECTS OF A MODULATED EM	FIELD		2601
T FRAGMENTS ORIENTED IN AN ELECTRIC	FIELD		2704
ING EXPOSURE TO SUPERHIGH FREQUENCY	FIELD		2809
AL SPECIMEN IN A 2450 MHZ MICROWAVE	FIELD		3091
EXPOSURE OF ANIMALS TO AC ELECTRIC	FIELD		3159
KING DIELECTRIC MEASUREMENTS IN THE	FIELD		3517
BY HIGH-FREQUENCY ELECTRO-MAGNETIC	FIELD	(IN RUS)	0002
BY HIGH-FREQUENCY ELECTRO-MAGNETIC	FIELD	(IN RUS)	3433
EFFECTS OF ALTERNATING MAGNETIC	FIELD	(12 GAUSS) ON TRANSPLANTED NEUROBLASTOMA	1797
ORS DECREASING THE NATURAL ELECTRIC	FIELD	(IN GERMAN)	2844
AN EXPOSURE TO A CONSTANT MAGNETIC	FIELD	(IN RUSSIAN)	1628
SEASES OF LIMB STUMPS WITH MAGNETIC	FIELD	(IN RUSSIAN)	1631
ION OF WATER BY A CONSTANT MAGNETIC	FIELD	(IN RUSSIAN)	1897
ACTION OF THE ALTERNATING MAGNETIC	FIELD	(IN RUSSIAN)	2077
RABBITS IN A STRONG STATIC MAGNETIC	FIELD	(IN RUSSIAN)	2081
INDUCED EM	FIELD	AND ABSORBED POWER DENSITY INSIDE A HUMAN TORSO	1795
INDUCED EM	FIELD	AND ABSORBED POWER DENSITY INSIDE HUMAN TORSOS BY 1 TO 500 M	1608
SUPER-HIGH FREQUENCY ELECTRIC	FIELD	AND CRUSTACEAN GANGLIONIC DISCHARGES	1942
NCY-LOW INTENSITY ROTATING MAGNETIC	FIELD	AND INCREASES IN THYROID AND TESTICLE WEIGHT IN RATS	0667

ELECTROMAGNETIC	FIELD AND THE LIVING ENVIRONMENT	3481
EEN INDUSTRIAL FREQUENCY AC (50 HZ)	FIELD AND THE ORGANISM OF A HUMAN AND AN ANIMAL. (IN ENG.)	0165
S OF RABBITS TO A CONSTANT MAGNETIC	FIELD AND TO ULTRAHIGH- AND SUPERHIGH-FREQUENCY EM FIELDS	1486
THE BLOOD-BRAIN BARRIER BY ELECTRIC	FIELD APPLICATION	2820
EFFECT OF AC ELECTRIC	FIELD APPLICATION UPON HUMAN VISUAL THRESHOLD	2154
DUCED IN HUMANS BY 433.92 MHZ ROUND	FIELD APPLICATOR AND 915 MHZ CONTACT APPLICATOR	1325
A MODULATED EM	FIELD AS A FACTOR OF SELECTIVE INFLUENCE UPON THE MECHANISMS OF GO	2082
ELECTRICAL	FIELD AS A PARAMETER CONSIDERED IN DESIGNING ELECTRIC POWER TRANSM	3587
TICAL NEURONS BY A PULSED MICROWAVE	FIELD AS EVIDENCED BY SPECTRAL ANALYSIS OF ELECTROCORTICOGRAMS FRO	1061
THE NULL MAGNETIC	FIELD AS REFERENCE FOR THE STUDY OF GEOMAGNETIC DIRECTIONAL EFFECT	1023
ACTION OF A MAGNETIC	FIELD COMBINED WITH EM WAVES ON THE EXPERIMENTAL TRYPANOSOMES OF T	1774
EFFECT OF THE MAGNETIC	FIELD COMPONENT OF THE KRAUSLECHNER METHOD ON THE HEALING OF EXPER	0131
GICAL SIGNIFICANCE OF ZERO MAGNETIC	FIELD CONDITIONS AND PERTURBATIONS OF MICROWAVE FIELDS BY LIVING O	2431
ASSESSMENT OF THE EM	FIELD COUPLING OF 915 MHZ OVEN LEAKAGE TO HUMAN SUBJECTS BY THERMO	1153
HIGH VOLTAGE ELECTRIC	FIELD COUPLING TO HUMANS USING MOMENT METHOD TECHNIQUES	2186
CRITICAL COMPARISONS OF RF	FIELD DELIVERY METHODS TO THERMAL RESPONSES OF MODELS AND EXPERIME	1687
ON THE MAGNETIC	FIELD DEPENDENCE OF THE YIELD OF THE TRIPLET STATE IN REACTION CEN	2401
	FIELD DEPENDENCY-INDEPENDENCY: A REVIEW OF THE LIT	1219
YSIOCHEMICAL MECHANISM FOR MAGNETIC	FIELD DETECTION BY MIGRATORY BIRDS AND HOMING PIGEONS	2511
	FIELD DETECTOR WORKS IN REAL TIME	3360
ELECTRICAL	FIELD DISTRIBUTION IN THE HUMAN BODY	0869
FOR THE INVESTIGATION OF RADIATION	FIELD DISTRIBUTION OF RADAR STATIONS AT CIVIL AVIATION AIRPORTS	1438
THE RADIOFREQUENCY	FIELD DISTRIBUTION SURROUNDING COILS FOR INTRAUTERINE DIAGNOSTIC P	1959
FECT OF A SCREENING OF THE ELECTRIC	FIELD DURING THE NIGHT ON PEOPLE SUFFERING FROM RHEUMATISM (IN GER	1181
STUDY ON THE ELECTRIC AND MAGNETIC	FIELD EFFECT ON LIVING ORGANISMS	1586
ALTERNATING MAGNETIC	FIELD EFFECT UPON HEALING OF ULCERS OF THE LOWER EXTREMITIES (IN R	2719
MAGNETIC, RADIOFREQUENCY AND OTHER	FIELD EFFECTS	3506
ON THE MECHANISM OF MAGNETIC	FIELD EFFECTS IN BACTERIAL PHOTOSYNTHESIS	0151
ELECTRIC	FIELD EFFECTS IN BACTERIORHODOPSIN	2450
EM	FIELD EFFECTS IN NERVE TISSUE	1380
ELECTRIC	FIELD EFFECTS IN SELECTED BIOLOGIC SYSTEMS	1053
ELF EM	FIELD EFFECTS ON LIFE FORMS--BIBLIOGRAPHY	2253
MAGNETIC	FIELD EFFECTS ON RADICAL PAIR INTERMEDIATES IN BACTERIAL PHOTOSYNT	2583
EXTERNAL	FIELD EM MEASUREMENT OF BLOOD FLOW	0752
YLOCOCCUS AUREUS IN A NULL MAGNETIC	FIELD ENVIRONMENT	2495
	FIELD EQUATIONS IN DOSIMETRY	3048
FREQUENCY VERTICAL, 45-HZ ELECTRIC	FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD AND WATER CONSUM	0957
W FREQUENCY (ELF) VERTICAL ELECTRIC	FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMPTION AND	1787
W FREQUENCY (ELF) VERTICAL ELECTRIC	FIELD EXPOSURE OF RATS: IRRADIATION FACILITY	1788
EFFECTS OF 45 HZ ELECTRIC	FIELD EXPOSURE ON RATS	2183
STUDIES ON MAGNETIC	FIELD EXPOSURES OF DROSOPHILA MELANOGASTER AND PELVETIA FASTIGIATA	2563
NOT RESPOND TO ELF ELECTROMAGNETIC	FIELD EXPOSURES	0164
SSUE HEATING IN A RADIOFREQUENCY EM	FIELD FOR THE COMBINED CHEMOTHERMAL TREATMENT OF BRAIN TUMORS	1240
S ON THE EFFECT OF AN ELECTROSTATIC	FIELD FREE OF RESIDUAL WAVES ON THE MOTILITY OF THE MOUSE (IN GERM	2703
EFFECTS OF A	FIELD FREE SPACE ON THE CIRCADIAN ACTIVITY RHYTHM OF THE HOUSE SPA	2163
E FOR REDUCING THE AMBIENT ELECTRIC	FIELD GENERATED BY INDUCTIVE VOLTAGES IN LOW FREQUENCY MAGNETIC FI	1210
VOLTAGES IN LOW FREQUENCY MAGNETIC	FIELD GENERATORS	1210
ARY RESULTS USING LOCALIZED CURRENT	FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS	2366
ATION THERAPY AND LOCALIZED CURRENT	FIELD HYPERTHERMIA OF SPONTANEOUS MALIGNANT NEOPLASMS OF ANIMALS	2329
E DISTRIBUTION IN LOCALIZED CURRENT	FIELD HYPERTHERMIA- A THEORETICAL MODEL	0359
MEASUREMENT OF ELECTROMAGNETIC	FIELD IMMUNITY	2617
INFLUENCE OF THE ELECTRIC	FIELD IN 500 AND 750 KV SWITCHYARDS ON MAINTENANCE STAFF AND MEANS	3076
URING THE STRENGTH OF THE MICROWAVE	FIELD IN A CAVITY	3499
THE LOCAL RADIO FREQUENCY ELECTRIC	FIELD IN BIOLOGICAL SYSTEMS	1726
URE RISE INDUCED BY ELECTROMAGNETIC	FIELD IN BRAIN TISSUES	0016
UATIONS OF THE MEDIUM WAVE RANGE EM	FIELD IN CONDITIONS OF POPULATED AREAS	1509
ES OF THE EFFECT OF ELECTROMAGNETIC	FIELD IN CONTACT ELECTRIC WELDING	0210
UDY OF FLUCTUATIONS OF THE ELECTRIC	FIELD IN ITS RELATIONSHIPS WITH HIBERNATING SUBJECTS ON KERGUELEN	2843
F GLUCOSORTICOSTEROIDS AND MAGNETIC	FIELD IN THE INTENSIVE THERAPY OF SEVERE FORMS VIRAL HEPATITIS	0013
OWING EXPOSURE TO CONSTANT MAGNETIC	FIELD IN THE RAT (IN RUS.)	0160
T OF A LOW-INTENSITY ELECTOMAGNETIC	FIELD IN THE SUPER HIGH FREQUENCY RANGE ON THE COURSE OF ALLERGIC	0317
LOW FREQUENCY ALTERNATING MAGNETIC	FIELD IN THE TREATMENT OF PATIENTS WITH DEFORMING ARTHROSIS OF THE	0278
ON THE HOMOGENEITY OF THE ELECTRIC	FIELD IN THE VOLUME OF BIOLOGIC MATTER DURING THAWING IN UHF FIELD	0276
THE EFFECT OF A HIGH- FREQUENCY EM	FIELD IN VIVO AND IN VITRO	2577
ELECTROSTATIC	FIELD INDUCED CHANGES IN MOUSE SERUM PROTEINS	2050

EXTREMELY LOW FREQUENCY ELECTRIC	FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIVER ENYZME	1782
LOW FREQUENCY ELECTRIC	FIELD INDUCED CHANGES IN THE SHAPE AND MOTILITY OF AMOEBAS	0813
EFFECT OF A 50 HZ ELELCTRIC	FIELD INFLUENCE ON THE ORGANISM	1591
HIGH GRADIENT MAGNETIC	FIELD INHIBITS EMBRYONIC DEVELOPMENT OF FROGS	2115
NEAR	FIELD INSTRUMENTATION	0551
E- AND H-	FIELD INSTRUMENTATION AND CALIBRATION BELOW 500 MHZ	2204
MINING ENVIRONMENTAL RADIOFREQUENCY	FIELD INTENSITIES	3094
TELEVISION	FIELD INTENSITIES AT THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO,	3552
Y LIMITATION IN MEASUREMENTS OF HF	FIELD INTENSITIES FOR PROTECTION AGAINST RADIATION HAZARDS	2835
OMETER FOR MEASUREMENT OF HAZARDOUS	FIELD INTENSITIES FROM 0.4 TO 40 GHZ	3297
MINING ENVIRONMENTAL RADIOFREQUENCY	FIELD INTENSITIES II	1717
A MEASUREMENT OF RF	FIELD INTENSITIES IN THE IMMEDIATE VICINITY OF AN FM BROADCAST STA	1701
CALCULATED	FIELD INTENSITIES NEAR A HIGH POWER UHF BROADCAST INSTALLATION	0754
NT OF INDUSTRIAL FREQUENCY ELECTRIC	FIELD INTENSITY	1935
R ACTIVITY AND THE EARTH'S MAGNETIC	FIELD INTENSITY (IN RUSSIAN)	2690
MMENDED PRACTICE FOR MEASUREMENT OF	FIELD INTENSITY ABOVE 300 MC FROM RADIO-FREQUENCY INDUSTRIAL, SCIE	3518
MEASUREMENTS OF RADIOFREQUENCY	FIELD INTENSITY IN BUILDINGS WITH CLOSE PROXIMITY TO BROADCAST STA	0108
RF	FIELD INTENSITY MEASUREMENTS IN SELECTED BROADCAST FACILITES	1643
RECEIVING FORMULAS FOR ANTENNAS AND	FIELD INTENSITY METERS	3292
EXPLORATORY	FIELD INTENSITY SURVEYS NEAR FAA TRANSMITTING ANTENNAS	1953
OF PROBES USED FOR EXPLORATORY FAA	FIELD INTENSTIY SURVEYS	1952
THE PHYSICAL CHARACTERISTICS OF EM	FIELD INTERACTION WITH MOLECULAR SYSTEMS	2424
	FIELD MAPPING OF CW FACILITY	3537
FREE-SPACE ELECTRIC	FIELD MAPPING OF MICROWAVE DIATHERMY APPLICATORS	0033
	FIELD MEASUREMENT OF ULTRAVIOLET, INFRARED, AND MICROWAVE ENERGIES	0687
BAND, MINIATURE, ISOTROPIC ELECTRIC	FIELD MEASUREMENT SYSTEM	1744
MICROWAVE EXPOSURE ARRAY: IMPROVED	FIELD MEASUREMENTS	2615
OF A SPHERE DETERMINED BY SCATTERED	FIELD MEASUREMENTS	3563
	FIELD MEASUREMENTS AND CALCULATIONS OF ELECTROSTATIC EFFECTS OF OV	1006
	FIELD MEASUREMENTS AND CALCULATIONS OF ELECTROSTATIC EFFECTS OF OV	3617
AL DOSIMETRY AND EXTERNAL MICROWAVE	FIELD MEASUREMENTS USING MINIATURE ELECTRIC FIELD PROBES	2668
ELECTRIC	FIELD MEASUREMENTS WITHIN BIOLOGICAL MEDIA	2667
	FIELD MEASUREMENTS, ABSORBED DOSE, AND BIOLOGIC DOSIMETRY OF MICRO	1101
AERIAL RADIATION PATTERNS FROM NEAR	FIELD MEASUREMENTS	3294
TING THE THREE DIMENSIONAL ELECTRIC	FIELD NEAR A MULTI-CONDUCTOR TRANSMISSION LINE, INCLUDING THE EFFE	3103
A CONSTANT AND ALTERNATING MAGNETIC	FIELD OF 1,000 OERSTED ON THE MITOTIC ACTIVITY (IN RUSSIAN)	1405
INFLUENCE OF ROTATING MAGNETIC	FIELD OF 200 GAUSS ON SPLENECTOMIZED MICE (IN CZECHOSLOVAKIAN)	2709
ABBITS EXPOSED TO A STATIC MAGNETIC	FIELD OF 600 OE (IN JAPANESE)	0020
AVIORAL STUDIES OF RATS IN THE NEAR	FIELD OF 918-MHZ RADIATIONS	2818
EFFECT OF THE MAGNETIC	FIELD OF A SOLENOID ON THE CENTRAL NERVOUS SYSTEM	0727
THE RADIO INTERFERENCE	FIELD OF AN OVERHEAD TRANSMISSION LINE	3020
COMMENTS ON 'THE RADIO INTERFERENCE	FIELD OF AN OVERHEAD TRANSMISSION LINE'	3018
STATUS OF THE	FIELD OF BIOLOGICAL EFFECTS OF RADIO-FREQUENCY RADIATION	3005
METHOD FOR DETERMINING THE INTERIOR	FIELD OF BIOLOGICAL MATERIALS	1235
INFLUENCE OF AN ELECTRIC	FIELD OF COMMERCIAL FREQUENCY AND DIFFERENT INTENSITY ON THE BALAN	2808
IET COMMITTEE ON COOPERATION IN THE	FIELD OF ENERGY, WASHINGTON, DC	3155
OF EXPOSURE TO THE EFFECT OF AN EM	FIELD OF EXTRA-HIGH FREQUENCY (IN RUSSIAN WITH ENGLISH SUMMARY)	0591
E OF TECHNICAL ALTERNATING ELECTRIC	FIELD OF HIGH TENSION ON THE ORGANISM (IN GERMAN)	2600
NCY INDUCED BY ALTERNATING MAGNETIC	FIELD OF INDUSTRIAL FREQUENCY (IN RUSSIAN)	0014
NDOCRINE SYSTEM TO THE EFFECT OF EM	FIELD OF INDUSTRIAL FREQUENCY (50 HZ)	2031
RT UNDER CONDITIONS OF EFFECT OF EM	FIELD OF INDUSTRIAL FREQUENCY ON THE BODY	2713
INFLUENCE OF ALTERNATING MAGNETIC	FIELD OF INDUSTRIAL FREQUENCY ON THE THYROID GLAND FUNCTIONAL ACTI	3432
TERACTION OF ALTERNATING ELECTRICAL	FIELD OF INDUSTRIAL FREQUENCY WITH THE HUMAN AND ANIMAL BODY	3411
NEW APPROACHES TO STUDIES IN THE	FIELD OF INDUSTRIAL HYGIENE AND THE BIOLOGICAL EFFECT OF EM RADIOF	1338
STRUCTURES UNDER THE EFFECT OF UHF	FIELD OF LOW INTENSITY (IN RUSSIAN)	1399
S OF PEOPLE WORKING IN THE ELECTRIC	FIELD OF OPEN 400-500 KV SWITCHING STRUCTURES	3087
OF PERSONS WORKING IN THE ELECTRIC	FIELD OF OUTDOOR 400 AND 500 KV SWITCHYARDS	3586
BIOLOGICAL TISSUE IN THE INDUCTION	FIELD OF PORTABLE RADIO TRANSMITTERS	3151
IN FARADAY-CAGES AND IN AN ELECTRIC	FIELD OF RECTANGULAR 10 CYCLES (IN GERMAN)	2645
EFFECT OF UHF	FIELD OF SMALL INTENSITY ON INDICES OF THE CARDIOVASCULAR AND RESP	2079
POWER DENSITY IN NEAR	FIELD OF SMALL LINEAR ANTENNAS	1642
MAL NERVE TISSUE SUBJECTED TO AN EM	FIELD OF UHF	0618
CT OF LOW-INTENSITY ELECTROMAGNETIC	FIELD OF ULTRA HIGH FREQUENCY RANGE ON THE COURSE OF SLOW ALLERGIC	0344
MAL NERVE TISSUE SUBJECTED TO AN EM	FIELD OF ULTRAHIGH FREQUENCY	2044
R ACTIVITY OF MUSCLES IN A MAGNETIC	FIELD OF VARYING INTENSITY (IN RUSSIAN)	2216

EFFECTS OF A 60-HZ MAGNETIC	FIELD ON ACTIVITY LEVELS OF MICE	2765
TS OF PULSED LOW-FREQUENCY MAGNETIC	FIELD ON ACTIVITY OF REDOX ENZYMES IN THE ALBINO RAT LIVER (HISTOC	2054
HE EFFECT OF LOW FREQUENCY ELECTRIC	FIELD ON ANAPHYLACTIC SHOCK AND ANTIBODY PRODUCTION (IN RUSSIAN)	1937
EFFECT OF ELECTROSTATIC	FIELD ON ANTIBODY SYNTHESIS (IN RUSSIAN)	2229
E EFFECT OF THE ULTRAHIGH FREQUENCY	FIELD ON CERTAIN PATHOGENIC MICROORGANISMS	1506
EFFECT OF A PULSED MAGNETIC	FIELD ON CHICK EMBRYOS IN THE 48TH HOUR OF INCUBATION, AND ON HATC	1559
GH FREQUENCY PULSED ELECTROMAGNETIC	FIELD ON CONCEPTION AND THE COURSE OF PREGNANCY IN WHITE MICE	2875
THE EFFECT OF A CONSTANT MAGNETIC	FIELD ON E COLI ENZYME ACTIVITY	2483
THE EFFECT OF AN EM	FIELD ON EARLY EMBRYOGENESIS IN QUAIL	2110
THE EFFECT OF CONSTANT MAGNETIC	FIELD ON ECG IN EXPERIMENTAL ANIMALS	2061
EFFECT OF A PERMANENT MAGNETIC	FIELD ON ELABORATION OF CONDITIONED REFLEXES IN MICE UNDER FOOTHIL	0273
EFFECT OF A HIGH-INTENSITY MAGNETIC	FIELD ON ENZYMATIC HYDROLYSIS OF NUCLEIC ACIDS	1558
FED'KINA ET AL ON THE EFFECT OF EM	FIELD ON ENZYMIC SUBSTRATES	2686
FFECTS OF A HIGH FREQUENCY ELECTRIC	FIELD ON ESCHERICHIA COLI	3470
INHIBITING ACTION OF ELECTRIC	FIELD ON ESCHERICHIA COLI (IN RUSSIAN)	1634
OGICAL EFFECT OF PERMANENT MAGNETIC	FIELD ON HEMATOPOIETIC SYSTEM OF INTACT AND TUMOR-BEARING ANIMALS	0102
INFLUENCE OF AN ELF EM ALTERNATING	FIELD ON HIGHER ORGANISMS (IN GERMAN)	1180
INFLUENCE OF AN ADDITIONAL MAGNETIC	FIELD ON HORNET NEST ARCHITECTURE	2461
F THE EFFECT OF STATIONARY MAGNETIC	FIELD ON INDUCED CARCINOGENESIS (IN RUSSIAN)	2594
EFFECTS OF MAGNETIC	FIELD ON INFLAMMATION	1932
THE INFLUENCE OF A STRONG MAGNETIC	FIELD ON MUSCULAR CONTRACTION	3249
EM ENERGY AND OF CONSTANT MAGNETIC	FIELD ON MUTAGENESIS IN THE PRESENCE OF ANTIBIOTICS (IN RUSSIAN)	2001
INFLUENCE OF A CONSTANT MAGNETIC	FIELD ON NERVOUS TISSUES. II. VOLTAGE-CLAMP STUDIES	0189
NATURE OF THE EFFECT OF A MAGNETIC	FIELD ON NUTRIENT MEDIUM COMPOSITION AND TOXIN PRODUCTION BY Cl PE	2482
EFFECT OF MAGNETIC	FIELD ON OSCILLATING BLOOD FLOW IN ARTERIES	0920
A HIGH INTENSITY CONSTANT MAGNETIC	FIELD ON PROLIFERATION OF EPITHELIAL CELLS IN THE MOUSE DUODENUM	0065
BIOLOGICAL EFFECTS OF AN ELECTRIC	FIELD ON RATS AND RABBITS	1592
EFFECT OF HOMOGENEOUS MAGNETIC	FIELD ON RED BLOOD CELLS: A CELL ELECTROPHORETIC STUDY	0117
EFFECT OF A MODULATED EM	FIELD ON SELF-STIMULATION RESPONSE IN RATS	2546
THE EFFECTS OF AN ELECTRIC	FIELD ON SOLUBLE COLLAGEN	0915
EFFECT OF STEADY MAGNETIC	FIELD ON SOME ASPECTS OF ENERGY AND NITROGEN METABOLISM IN THE RAT	0429
THE INFLUENCE OF UHF ELECTRIC	FIELD ON SPERMATOGENESIS IN TREATMENT OF PATIENTS WITH EPIDIDYMITI	0933
EFFECT OF A UHF ELECTRIC	FIELD ON SPERMATOGENESIS	0224
ATING THE EFFECT OF A WEAK MAGNETIC	FIELD ON TARAXACUM OFFICINALE	0941
ACT ORGANISM TO A CONSTANT MAGNETIC	FIELD ON THE ACTIVITY OF OXIDATIVE ENZYMES IN THE LIVERS OF MICE	2490
EFFECT OF A LOW-FREQUENCY PULSED EM	FIELD ON THE ANIMAL ORGANISM	1508
EFFECT OF UHF ELECTRICAL	FIELD ON THE BLOOD CLOTTING SYSTEM IN ANIMALS (IN RUSSIAN)	2226
ECT OF BRIEF EXPOSURE TO A MAGNETIC	FIELD ON THE BLOOD SEDIMENTATION RATE IN HEALTH AND DISEASE	2014
OF A LOW FREQUENCY (50 HZ) ELECTRIC	FIELD ON THE BODY (IN RUSSIAN)	0233
INFLUENCE OF THE EARTH'S MAGNETIC	FIELD ON THE COMB BUILDING ORIENTATION OF HORNETS	0304
HE INFLUENCE OF A CONSTANT MAGNETIC	FIELD ON THE CONCENTRATION OF FREE RADICALS IN THE ORGANS AND TISS	2488
EFFECT OF A UHF	FIELD ON THE COURSE OF HYPERTENSIVE DISEASE	1507
EFFECT OF CONSTANT MAGNETIC	FIELD ON THE COURSE OF PREGNANCY AND PROGENY DEVELOPMENT IN ALBINO	1430
EFFECT OF A MAGNETIC	FIELD ON THE DIELECTRIC CONSTANT OF PROCESS WATER	0954
EFFECT OF THE MAGNETIC	FIELD ON THE DIRECTIONAL BEHAVIOR OF GOLDFISH	1227
THE INFLUENCE OF A CONSTANT EM	FIELD ON THE DYNAMICS OF BLOOD FLOW OF WARM BLOODED ANIMALS (IN RU	1336
EFFECT OF MAGNETIC	FIELD ON THE ELECTRICAL CONDUCTIVITY OF CHICKEN EGG PROTEINS AND Y	0219
OF HEAVY METAL IONS AND ELECTRICAL	FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSS	0015
E EFFECT OF AN ULTRA-HIGH FREQUENCY	FIELD ON THE FUNCTIONS OF THE NERVOUS SYSTEM	2025
THE EFFECT OF A MAGNETIC	FIELD ON THE NATURAL RESISTANCE OF WHITE MICE TO LISTERIA INFECTIO	2486
THE EFFECT OF STATIC ELECTRIC	FIELD ON THE ORGANISM OF MAN AND ANIMALS	2812
OF A LOW FREQUENCY (50 HZ) ELECTRIC	FIELD ON THE ORGANISM	0379
HE EFFECT OF A SUPER-HIGH FREQUENCY	FIELD ON THE PHYSICAL TRAINING OF EXPERIMENTAL ANIMALS	1869
RADIATION BY AN ULTRAHIGH-FREQUENCY	FIELD ON THE RABBIT EYE	1860
INFLUENCE OF A 1400-GAUSS MAGNETIC	FIELD ON THE RADIOSENSITIVITY AND RECOVERY OF EMT6 CELLS IN VITRO	2032
EFFECT OF MAGNETIC	FIELD ON THE RECOMBINATION FLUORESCENCE OF PHOTOSYNTHETIC BACTERIA	0032
EFFECTS OF A HIGH-TENSION ELECTRIC	FIELD ON THE SECRETION OF ANTIDIURETIC HORMONE IN RATS	1182
OF THE PULSE ULTRAHIGH FREQUENCY EM	FIELD ON THE SERUM CHOLESTEROL CONTENT OF RABBITS	0693
EFFECT OF PERMANENT MAGNETIC	FIELD ON THE SPERM OF BREEDING BULLS (IN RUS)	0082
QUANTITATION OF INDUCED EM	FIELD PATTERNS IN TISSUE AND ASSOCIATED BIOLOGIC EFFECTS	1261
A MINIATURE BROAD-BAND ELECTRIC	FIELD PROBE	1099
A SMALL ELF ELECTRIC	FIELD PROBE	2280
AN IMPROVED ELF ELECTRIC	FIELD PROBE	2988
ALIBRATION OF A MINIATURE, ELECTRIC	FIELD PROBE WITHIN SIMULATED MUSCULAR TISSUES	2207
S OF FREQUENCY RESPONSE OF ELECTRIC	FIELD PROBES	2217

ASUREMENTS USING MINIATURE ELECTRIC	FIELD	PROBES	2668
ELECTROMAGNETIC	FIELD	PROBES	3531
ELECTROMAGNETIC	FIELD	PROBES	3532
RESPONSE OF INSULATED ELECTRIC	FIELD	PROBES IN FINITE HETEROGENEOUS BIOLOGICAL BODIES	0051
THE EFFECTS OF LOW FREQUENCY EM	FIELD	PULSES ON SKELETAL MUSCLE METABOLISM IN THE RAT	2048
METHODS OF MICROWAVE	FIELD	QUANTIFICATION FOR BIOLOGIC STUDIES	0881
MAGNETIC	FIELD	STANDARD AT FREQUENCIES ABOVE 30 MHZ	2189
PHAGEAL SMOOTH MUSCLE TO ELECTRICAL	FIELD	STIMULATION	2548
EFFECTS OF ELECTRICAL	FIELD	STIMULATION ON ION TRANSPORT BY RABBIT ILEUM IN VITRO	2525
TIONS OF CONTROLLED TEMPERATURE AND	FIELD	STRENGTH	1686
TEM WITH CONTROLLED TEMPERATURE AND	FIELD	STRENGTH	2728
LIBRATIONS FOR MICROWAVE ANTENNAS +	FIELD	STRENGTH AND POWER DENSITY METERS	3298
ELECTROMAGNETIC	FIELD	STRENGTH FOR FREQUENCIES BELOW 1000 MHZ IN RADIO WAVE PROPAG	3561
	FIELD	STRENGTH MEASUREMENTS	3496
ELF	FIELD	STRENGTH MEASUREMENTS MADE IN CONNECTICUT DURING 1974	3138
REPORT ON MOBILE	FIELD	STRENGTH MEASUREMENTS TAKEN WITH RECEIVING ANTENNA 10 FEET A	3524
A MAGNETIC	FIELD	STRENGTH METER EMPLOYING THE HALL EFFECT IN GERMANIUM	3307
ATION PRINCIPLES AND PROCEDURES FOR	FIELD	STRENGTH METERS (30 HZ TO 1 GHZ)	3494
RESULTS OF MEASUREMENTS OF ELECTRIC	FIELD	STRENGTH NEAR A 765 KV OVERHEAD POWER TRANSMISSION LINE	3558
NEW STANDARD OF ELECTRIC	FIELD	STRENGTH	3300
EASUREMENT OF ELECTRIC AND MAGNETIC	FIELD	STRENGTHS FROM INDUSTRIAL RADIOFREQUENCY (15-40.68 MHZ) POWE	2210
R STUDYING HIGH-INTENSITY RADIATION	FIELD	STRUCTURES	1708
A LIMITED MICROWAVE DIATHERMY	FIELD	SURVEY	0759
MICROWAVE HAZARD EVALUATION (A	FIELD	SURVEY FORM)	3549
A	FIELD	SURVEY OF FARMER EXPERIENCE WITH 765 KV TRANSMISSION LINES	3613
PILOT ECOLOGICAL	FIELD	SURVEYS	1750
PROCEDURES FOR	FIELD	TESTING MICROWAVE OVENS	1956
	FIELD	TRIAL OF RICHARDSON MICROWAVE DOSIMETER	1568
OF THE BRAIN IN A CONSTANT MAGNETIC	FIELD	UNDER THE EFFECT OF CORAZOL	0281
MAGNETIC	FIELD	UNIFORMITY AROUND NEAR-HELMHOLTZ COIL CONFIGURATIONS	3309
ORMONES AND IRRADIATED IN MICROWAVE	FIELD	UNTIL THERMAL DEATH. (IN POLISH)	0354
S UNDER LOCAL INFLUENCE OF A V.H.F.	FIELD	UPON CERTAIN ZONES OF THE CEREBRAL CORTEX	2024
EFFECT OF HIGH-FREQUENCY EM	FIELD	UPON HAEMOPOIETIC STEM CELLS IN MICE	0735
EFFECT OF A HIGH-FREQUENCY ELECTRIC	FIELD	UPON PARAMOECIUM	3464
INTERACTION OF A 2450-MHZ MICROWAVE	FIELD	WITH THERMOCOUPLES AND THERMISTORS	1194
NONANTIGENIC (ALTERNATING MAGNETIC	FIELD	) STIMULATION	2039
IN FARADAY CAGES AND IN AN ELECTRIC	FIELD	, OSCILLATING WITH RECTANGULAR PULSES AT A FREQUENCY OF 10 HZ	2646
THE MAGNETIC	FIELD--A	STRANGE STIMULUS	1553
URE OF MICE TO A STRONG AC ELECTRIC	FIELD--AN	EXPERIMENTAL STUDY	0969
URE OF MICE TO A STRONG AC ELECTRIC	FIELD--AN	EXPERIMENTAL STUDY	3016
OR HIGH-FREQUENCY ELECTROMAGNETICAL	FIELD-INDUCED	BIOLOGICAL DAMAGE?	0262
ELECTRIC	FIELD-INDUCED	CONFORMATIONAL CHANGE OF POLY(L-LYSINE) STUDIED BY T	0859
MAGNETIC	FIELD-INDUCED	INCREASE OF THE YIELD OF (BACTERIO) CHLOROPHYLL EMIS	0185
	FIELD-INDUCED	TRANSPORT MECHANISMS IN HYDROXYAPATITE	2231
S IRRADIATED WITH A MICROWAVE PULSE	FIELD		0182
CAL ACTIVITY IN A CONSTANT MAGNETIC	FIELD		0191
9,400 MHZ MICROWAVE ELECTROMAGNETIC	FIELD		0415
URING EXPOSURE TO A STEADY MAGNETIC	FIELD		0426
DUSTRIAL FREQUENCY (50 HZ) ELECTRIC	FIELD		0436
W- FREQUENCY PULSED ELECTROMAGNETIC	FIELD		3245
AL SPECIMEN IN A 2450 MHZ MICROWAVE	FIELD		3257
PE, LOCATION AND ORIENTATION IN THE	FIELD		3316
OLOGIC MATTER DURING THAWING IN UHF	FIELD	. (IN RUSSIAN)	0276
MECHANICAL MASSAGE WITH ELECTRICAL	FIELD	: A NEW COMBINATION THERAPY (IN GERMAN)	2144
BIOLOGICAL EFFECTS OF AN ELECTRIC	FIELD	: WHAT CAN AN ELECTRICIAN SAY ON THIS SUBJECT?	1584
OF ERYTHROCYTES INDUCED BY MAGNETIC	FIELDS		0089
QUANTIFYING HAZARDOUS MICROWAVE	FIELDS		0118
THE RESPONSE OF BEES TO ELECTRIC	FIELDS		0291
EMELY LOW FREQUENCY ELECTROMAGNETIC	FIELDS		0353
EFFECTS OF STIMULATION BY UHF RADIO	FIELDS		0471
EXPOSURE TO RADIOFREQUENCY ELECTRIC	FIELDS		0493
RVOUS SYSTEM IN REACTIONS TO UHF EM	FIELDS		0525
L PARTICLES TO ALTERNATING ELECTRIC	FIELDS		0553
HEARING SENSATIONS IN ELECTRIC	FIELDS		0572
EYE PROTECTION IN RADAR	FIELDS		0579

ED FROM OCCUPATIONAL EXPOSURE TO EM FIELDS 0615
TS OF THE EFFECT OF METRIC RANGE EM FIELDS 0627
OWTH IN VARIOUS CONSTANT ELECTRICAL FIELDS 0640
FTER APPLICATION OF STATIC ELECTRIC FIELDS 0641
OF FUCOID EGGS BY STEADY ELECTRICAL FIELDS 0643
NE REPAIR BY INDUCTIVELY COUPLED EM FIELDS 0644
ICALLY SHORT CABLES TO TRANSIENT EM FIELDS 0650
MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS 0660
RMATION CHANGES INDUCED BY ELECTRIC FIELDS 0690
L MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS 0743
S EXPOSURE OF CHICKS AND RATS TO EM FIELDS 0753
ADULT RATS EXPOSED TO ELF MAGNETIC FIELDS 0785
MEMBRANES AS INFLUENCED BY ELECTRIC FIELDS 0860
TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS 0865
ION AND MEASUREMENT OF HAZARDOUS EM FIELDS 0879
ED BY LOW INTENSITY 60 AND 75 HZ EM FIELDS 0907
NIC CHICK TIBIAE IN STEADY ELECTRIC FIELDS 0943
ON BY INSECTS AND GRAIN IN ELECTRIC FIELDS 0981
IOLOGICAL EFFECTS OF CERTAIN ELF EM FIELDS 0991
TAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 1015
QUANTITIES FOR RF AND MICROWAVE EM FIELDS 1026
EXPOSURE TO 100-MHZ RADIO-FREQUENCY FIELDS 1084
HANTOMS IMMERSED IN RADIO-FREQUENCY FIELDS 1100
G MICROPROBES FOR MEASUREMENT IN EM FIELDS 1142
ER DENSITY MEASUREMENTS IN THE NEAR FIELDS 1149
DING EEG AND ECG IN ELECTROMAGNETIC FIELDS 1163
EVELS OF 60 HZ ALTERNATING ELECTRIC FIELDS 1205
OW FREQUENCY-LOW INTENSITY MAGNETIC FIELDS 1212
TO EXTREMELY LOW FREQUENCY (ELF) EM FIELDS 1214
N RODENTS EXPOSED TO HIGH INTENSITY FIELDS 1290
TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS 1297
LONG EXPOSURE TO EM RADIO FREQUENCY FIELDS 1343
ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 1372
NVIRONMENTAL AND INTRINSIC ELECTRIC FIELDS 1383
NS NATURALLY EXPOSED TO SANGUINE EM FIELDS 1390
OSCILLATING ENVIRONMENTAL ELECTRIC FIELDS 1393
TRAHIGH- AND SUPERHIGH-FREQUENCY EM FIELDS 1486
RS EXPOSED TO THE EFFECTS OF UHF EM FIELDS 1515
HYGIENIC ASPECTS OF EXPOSURE TO EM FIELDS 1539
S AS SENSORY DETECTORS OF MICROWAVE FIELDS 1543
ACTERISTICS TO ULTRA-HIGH FREQUENCY FIELDS 1562
BIOLOGICAL EFFECTS OF ELECTRIC FIELDS 1588
HE EFFECTS OF HIGH VOLTAGE ELECTRIC FIELDS 1589
AL CONTROL OF MEN WORKING WITHIN EM FIELDS 1590
OGICAL EFFECT OF PERMANENT MAGNETIC FIELDS 1594
THE INFLUENCE OF PERMANENT MAGNETIC FIELDS 1595
OF INTERACTION BETWEEN BLOOD AND EM FIELDS 1655
ATE STRENGTH LOW FREQUENCY MAGNETIC FIELDS 1657
ONS WITH WEAK ELECTRIC AND MAGNETIC FIELDS 1660
TREMELY LOW FREQUENCY (0-100 HZ) EM FIELDS 1663
AL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS 1664
AL EFFECTS OF MAGNETIC AND ELECTRIC FIELDS 1666
LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS 1672
RHYTHMS BY AMPLITUDE- MODULATED VHF FIELDS 1673
IGUE BY MEANS OF DC AND AC ELECTRIC FIELDS 1675
AFE LEVELS OF ELECTRIC AND MAGNETIC FIELDS 1681
E OF A POPULATION OF RODENTS TO UHF FIELDS 1693
MODEL OF MAN EXPOSED TO 1-20-MHZ EM FIELDS 1700
TE NATURALLY EXPOSED TO SANGUINE EM FIELDS 1706
ODS ASSESSING THE EFFECTS OF ELF EM FIELDS 1714
, PART 1: TEMPERATURE PROBE FOR M/W FIELDS 1723
ATION OF EUGLENA BY RADIO-FREQUENCY FIELDS 1727
IAN ERYTHROCYTES IN RADIO-FREQUENCY FIELDS 1728
IN FORMATION ACROSS RADIO FREQUENCY FIELDS 1730
OF MAN EXPOSED TO HIGH FREQUENCY EM FIELDS 1740

MICROWAVE PUBLICATIONS

CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS 1754
GROWTH OF SUNFLOWERS IN WEAK ELF EM FIELDS 1758
TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS 1761
CT SANGUINE'S ELECTRIC AND MAGNETIC FIELDS 1762
NS NATURALLY EXPOSED TO SANGUINE EM FIELDS 1763
POPULATION DYNAMICS IN WEAK ELF EM FIELDS 1771
SURVEY OF PLANTS EXPOSED TO ELF EM FIELDS 1772
HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 1778
MAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS 1779
LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS 1783
ATURE SENSOR FOR MEASUREMENTS IN EM FIELDS 1819
THERS AS DIELECTRIC RECEPTORS OF RF FIELDS 1831
HE EYE WITH ULTRA-HIGH-FREQUENCY EM FIELDS 1859
OF SOME PLANT MATERIAL TO MAGNETIC FIELDS 1900
FOR BIOLOGICAL EFFECTS OF MAGNETIC FIELDS 1903
IN TO PULSED SUPERHIGH-FREQUENCY EM FIELDS 1940
OID TISSUE TO INTERMITTENT MAGNETIC FIELDS 1997
ATION OF MAN WORKING IN AC ELECTRIC FIELDS 2023
IONS DUE TO PULSED LOW-FREQUENCY EM FIELDS 2047
POLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS 2086
ED BY LOCALLY ADMINISTERED MAGNETIC FIELDS 2114
ESPIRATION IN INTERMITTENT MAGNETIC FIELDS 2117
TS OF TECHNICAL ELECTRIC AND EM VLF FIELDS 2124
AVE ENERGIES, MAGNETIC AND ELECTRIC FIELDS 2125
UES AND WEAK ENVIRONMENTAL ELECTRIC FIELDS 2172
C FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS 2180
HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 2190
OF RADIO-FREQUENCY ELECTROMAGNETIC FIELDS 2254
XPOSURE TO HIGH-INTENSITY MICROWAVE FIELDS 2257
EXPOSED TO LOW- INTENSITY MICROWAVE FIELDS 2262
ARDIAC PACEMAKERS TO 60 HZ MAGNETIC FIELDS 2271
ON EXTREMELY LOW FREQUENCY (ELF) EM FIELDS 2298
E WITH WEAK, LOW-FREQUENCY ELECTRIC FIELDS 2310
S IN INTERMEDIATE STRENGTH MAGNETIC FIELDS 2338
POWER ABSORPTION MEASUREMENTS IN HF FIELDS 2400
LATED, VERY HIGH FREQUENCY ELECTRIC FIELDS 2419
HE INTERACTION OF MEMBRANES WITH EM FIELDS 2423
NANTS OF INTERACTIONS WITH ELECTRIC FIELDS 2429
ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 2449
L NERVOUS SYSTEM TO ELECTROMAGNETIC FIELDS 2480
MAN SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS 2485
LOGICAL EFFECT OF CONSTANT MAGNETIC FIELDS 2489
IOLOGICAL EFFECT OF ELECTROMAGNETIC FIELDS 2491
HANISM OF ACTION OF ELECTROMAGNETIC FIELDS 2492
LOGICAL ACTION PRODUCED BY MAGNETIC FIELDS 2494
OLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS 2542
ES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS 2549
UPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS 2553
UPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS 2560
TO WEAK AMPLITUDE MODULATED 450 MHZ FIELDS 2661
NEAR-FIELD MEASUREMENTS OF RF FIELDS 2666
CONTROL OF REPAIR PROCESSES BY EM FIELDS 2688
E OF GALLUS CHICKS TO ELECTROSTATIC FIELDS 2696
BIOLOGICAL POTENTIALS IN STRONG EM FIELDS 2743
DUSTRIAL AND SUPERHIGH FREQUENCY EM FIELDS 2806
ATE STRENGTH LOW FREQUENCY MAGNETIC FIELDS 2813
COMPATIBILITY OF WEAK MAGNETIC ELF FIELDS 2832
ES OF MAN AND ANIMALS EXPOSED TO EM FIELDS 2840
AUSED BY HIGH POWER, HIGH FREQUENCY FIELDS 2979
SAFETY AND ELECTROMAGNETIC FIELDS 2984
TAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 3012
S OF RADIOFREQUENCY ELECTROMAGNETIC FIELDS 3026
OF WORKERS IN HIGH-VOLTAGE ELECTRIC FIELDS 3067
SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELDS 3109
Y ON BIOLOGICAL EFFECTS OF ELECTRIC FIELDS 3157

TRANSMISSION LINE FIELDS ... 3164
CEREBRAL TISSUE BY ELECTROMAGNETIC FIELDS ... 3395
IUM IN STATIC ELECTRIC AND MAGNETIC FIELDS ... 3489
AUSED BY HIGH-POWER, HIGH-FREQUENCY FIELDS ... 3509
ON BY INSECTS AND GRAIN IN ELECTRIC FIELDS ... 3559
H ON THE EFFECTS OF ELECTROMAGNETIC FIELDS ... 3577
MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS ON THE PROPORTION OF THE DIFFERENT LEUCOCYTE TY ... 3128
EFFECT OF EM ULTRASHORT WAVELENGTH FIELDS (155 AND 191 MHZ) ON THE SURVIVAL RATE AND TEMPERATURE REAC ... 1354
MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTIVITY ... 3129
S OF A 1-MONTH EXPOSURE TO MAGNETIC FIELDS (200-1200 GAUSS) ... 1109
EFFECTS OF SQUARE-WAVE MODULATED RF FIELDS (450 AND 3100 MHZ) ON CARDIAC PACEMAKERS ... 1289
BIOLOGIC EFFECTS OF ELECTROMAGNETIC FIELDS (IN GERMAN) ... 0320
UNEXPECTED DEATH OF INFANTS AND EM FIELDS (IN GERMAN) ... 1624
FRUITFLY DROSOPHILA IN VLF MAGNETIC FIELDS (IN GERMAN) ... 2071
ARADAY CONDITIONS AND IN ELECTRICAL FIELDS (IN GERMAN) ... 2637
ED INFANT DEATH AND ELECTROMAGNETIC FIELDS (IN GERMAN) ... 2643
TERM EXPOSURES OF MICE TO MICROWAVE FIELDS (IN GERMAN) ... 2708
IOLOGICALLY ACTIVE LOW-FREQUENCY EM FIELDS (IN GERMAN) ... 2710
IONAL EXPOSURE TO HIGH FREQUENCY EM FIELDS (IN ITALIAN) ... 2395
LLUTION CAUSED BY HIGH FREQUENCY EM FIELDS (IN ITALIAN) ... 2396
OSIMETRY AND MEASURING IN MICROWAVE FIELDS (IN RUMANIAN) ... 2722
ED TO SUPERSTRONG CONSTANT MAGNETIC FIELDS (IN RUSSIAN) ... 1402
ABBIT CEREBRAL CORTEX TO VARIOUS EM FIELDS (IN RUSSIAN) ... 2000
CONSTANT AND LOW FREQUENCY MAGNETIC FIELDS (LITERATURE REVIEW) ... 0218
ATURAL AND WEAK ARTIFICIAL MAGNETIC FIELDS (ON THE STATE OF THE ART) ... 1003
E EFFECTS OF SUPERHIGH FREQUENCY EM FIELDS (SHF-EMF) ON THE BODY ... 1477
LOW-FREQUENCY INTERMITTENT MAGNETIC FIELDS (SURVEY OF THE LITERATURE) ... 2135
GICAL EFFECTS OF RADIO-FREQUENCY EM FIELDS (WITH SPECIAL ANALYTICAL AIDS) ... 2557
ELIMINATION OF HAZARDOUS MICROWAVE FIELDS ABOARD NAVAL SHIPS ... 0485
REMELY LOW FREQUENCY, WEAK ELECTRIC FIELDS AFFECT SCHEDULE-CONTROLLED BEHAVIOUR OF MONKEYS ... 1169
DO EXTREME LOW-FREQUENCY EM FIELDS AFFECT SOIL ARTHROPODS? ONGOING STUDIES AT THE WISCONSIN TE ... 1764
EXPOSURE OF MAN TO MAGNETIC FIELDS ALTERNATING AT EXTREMELY LOW FREQUENCY ... 3102
BINED EFFECT OF SUPERHIGH-FREQUENCY FIELDS AND ADVERSE MICROCLIMATE ON THE ORGANISM ... 1981
AND MILLIMETER-WAVE ELECTROMAGNETIC FIELDS AND BIOLOGIC SYSTEMS: MOLECULAR MECHANISMS ... 3269
EM FIELDS AND BIOLOGICAL SYSTEMS (IN JAPANESE) ... 2141
THE STUDY OF INTERACTION BETWEEN EM FIELDS AND BIOLOGICAL TISSUES TO EVALUATE THE RISKS OF EXPOSURE (I ... 2635
VIEW ON THE INTERACTIONS BETWEEN EM FIELDS AND BIOSYSTEMS ... 2027
ONNEL EXPOSURE IN MICROWAVE LEAKAGE FIELDS AND COMPARISON WITH PERSONNEL EXPOSURE STANDARDS ... 2392
SED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENTS ... 1781
CEMAKER EXPOSURE TO RADIO FREQUENCY FIELDS AND ELECTRIC SHOCK ... 0527
THE USE OF MAGNETIC FIELDS AND ELECTRONIC NOISE FOR THE THERAPY OF INSOMNIA AND NEUROS ... 1413
WORKSHOP ON MAGNETIC-ELECTRIC FIELDS AND ENVIRONMENT ... 1680
MARINE ELECTRIC FIELDS AND FISH ORIENTATION ... 0336
INDUCED FIELDS AND HEATING WITHIN A CRANIAL STRUCTURE IRRADIATED BY AN EM ... 0717
COMPUTATION OF THE EM FIELDS AND INDUCED TEMPERATURES WITHIN A MODEL OF THE MICROWAVE-IR ... 1043
HROCYTES IN HIGH-FREQUENCY ELECTRIC FIELDS AND ITS RELATION TO THEIR AGE ... 1692
ELECTROMAGNETIC FIELDS AND LIFE ... 2247
INTERACTION OF EM FIELDS AND LIVING SYSTEMS ... 1254
ELECTRIC FIELDS AND MAGNETIC FLUX UNDER EHV OVERHEAD POWER TRANSMISSION LIN ... 0166
MAGNETIC FIELDS AND MAN: WHERE DO WE STAND TODAY? ... 2098
EFFECTS OF PULSED AND CONTINUOUS EM FIELDS AND MECHANISMS OF EFFECT ... 1052
MAGNETIC FIELDS AND NERVE FUNCTION ... 0842
MAGNETIC FIELDS AND ORGANISMS (IN CZECHOSLOVAKIAN) ... 1412
RDS FROM EXPOSURE TO ELF ELECTRICAL FIELDS AND POTENTIALS ... 0965
UE FOR CALCULATING INDUCED INTERNAL FIELDS AND POWER DEPOSITION IN BIOLOGICAL MEDIA OF COMPLEX IRREGUL ... 2670
ELECTROMAGNETIC FIELDS AND POWER DEPOSITION IN BODY- OF-REVOLUTION MODELS OF MAN ... 0097
ELECTROMAGNETIC FIELDS AND RELATIVE HEATING PATTERNS DUE TO A RECTANGULAR APERTURE ... 2947
ELECTROSTATIC FIELDS AND SECONDARY GLAUCOMA IN RATS ... 1112
EM FIELDS AND SKIN WOUND REPAIR ... 0904
ECTS OF COMBINED EXPOSURE TO SHF EM FIELDS AND SOFT X-RAYS ON THE PERIPHERAL BLOOD ... 1452
ON IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PHYSIOLOGIC CONSEQUENCES ... 0811
EM FIELDS AND THE BRAIN ... 1266
NDER THE INFLUENCE OF WEAK ELECTRIC FIELDS AND THE DIFFERENT ASPECTS OF THESE STUDIES ... 2123
ELECTROMAGNETIC FIELDS AND THE LIFE ENVIRONMENT ... 2249
MAGNETIC FIELDS AND THE NUMBER OF BLOOD PLATELETS ... 2096

ARTH RETURN CIRCUIT ELECTROMAGNETIC	FIELDS AND THEIR SIMULATION	3080
IOLOGICAL EFFECTS OF RADIOFREQUENCY	FIELDS AS TRANSLATED FROM O BIOLOGICHESKOM DEYSTVII ELEKTROMAGNITN	3126
AL EFFECTS OF ELECTRIC AND MAGNETIC	FIELDS ASSOCIATED WITH ELF COMMUNICATIONS SYSTEMS	0394
IC EFFECTS OF ELECTRIC AND MAGNETIC	FIELDS ASSOCIATED WITH PROPOSED PROJECT SEAFARER	2457
EONS (COLUMBIA LIVIA) EXPOSED TO EM	FIELDS AT PROJECT SANGUINE'S WISCONSIN TEST FACILITY	1755
OF HOMING PIGEONS EXPOSED TO THE EM	FIELDS AT PROJECT SANGUINE'S WISCONSIN TEST FACILITY	1767
ERIALS AND INTERACTION OF MICROWAVE	FIELDS AT THE CELLULAR AND MOLECULAR LEVEL	0873
NCIPLES OF INTERACTION OF MICROWAVE	FIELDS AT THE CELLULAR AND MOLECULAR LEVEL	1255
NCIPLES OF INTERACTION OF MICROWAVE	FIELDS AT THE CELLULAR AND MOLECULAR LEVEL	3270
EFFECTS OF EM	FIELDS BELOW 30 MHZ ON ANIMAL BIOLOGY	1394
IONS AND PERTURBATIONS OF MICROWAVE	FIELDS BY LIVING ORGANISMS	2431
PERCEPTION OF STATIC	FIELDS BY LIVING ORGANISMS AND TERATOGENIC EFFECTS OF MICROWAVES	2830
IN MAN EXPOSED TO HIGH FREQUENCY EM	FIELDS BY THERMOGRAPHIC MEASUREMENTS ON SCALE MODELS	1246
EFFECT OF MAGNETIC	FIELDS COMBINED WITH EM WAVES ON TRYPANOSOMATIC ORCHITIS OF THE RA	0866
OGICAL SENSITIVITY TO WEAK MAGNETIC	FIELDS DUE TO BIOLOGICAL SUPERCONDUCTIVE JOSEPHSON JUNCTIONS?	2105
RD ASSOCIATED WITH RADIO- FREQUENCY	FIELDS ENCOUNTERED IN NAVAL OPERATIONS	2573
RS WHICH SHOW UP IN STRONG ELECTRIC	FIELDS FOR DETECTING EMISSION IN THE MILLIMETER AND SUBMILLIMETER	2343
ON MEASUREMENTS OF THE EM	FIELDS FOR HYGIENIC PURPOSES	2062
ACCURATE MEASUREMENT OF MICROWAVE	FIELDS FOR MEDICAL AND BIOLOGICAL APPLICATIONS	2391
RADIO-FREQUENCY ELECTRIC	FIELDS FOR STORED GRAIN INSECT CONTROL	0978
IVENESS OF RADIO-FREQUENCY ELECTRIC	FIELDS FOR STORED-GRAIN INSECT CONTROL	0983
ULTRAHIGH-FREQUENCY EM	FIELDS FOR WEED CONTROL: PHYTOTOXICITY AND SELECTIVITY	2134
ECHNIQUES FOR PRODUCING STANDARD EM	FIELDS FROM 10 KHZ TO 10 GHZ FOR EVALUATING RADIATION MONITORS	0251
DO ELECTRICAL	FIELDS HAVE BIOLOGICAL EFFECT? (IN DUTCH)	2582
ELECTROMAGNETIC	FIELDS IN A DISSIPATIVE HALF-SPACE: A NUMERICAL APPROACH	3285
EM	FIELDS IN A HOMOGENEOUS MODEL OF MAN	2319
MBEDDED TUMORS AND AS INDUCED BY EM	FIELDS IN A MODEL OF A HUMAN BODY	2732
RAL TRANSITION PRODUCED BY ELECTRIC	FIELDS IN AQUEOUS SODIUM DEORYRIBONUCLEATE	3211
WITH APPLICATION TO THE PROBING OF	FIELDS IN BIOLOGICAL BODIES	0093
ELEMETRY FOR IN VIVO MEASUREMENT OF	FIELDS IN BIOLOGICAL MATERIALS	1144
ELECTROMAGNETIC	FIELDS IN BIOLOGICAL MEDIA: PT II, THE SCAT PROGRAM, MULTILAYERED	0263
NUMERICAL ANALYSIS OF EM	FIELDS IN BIOLOGICAL TISSUES	0781
LOW FREQUENCY ELECTRIC AND MAGNETIC	FIELDS IN DOMESTIC BIRDS	3134
TERMINATION OF EXPOSURE TO ELECTRIC	FIELDS IN EXTRA HIGH VOLTAGE SUBSTATIONS	1644
EFFECT OF MAGNETIC	FIELDS IN INDUSTRY ON THE CENTRAL NERVOUS SYSTEM (EEG DATA)	1426
APPROACH TO THE DETERMINATION OF EM	FIELDS IN IRREGULAR GEOMETRY	2197
RATIONAL ANALYSIS OF ELECTRIC	FIELDS IN LIVE LINE WORKING	0968
THE MEASUREMENT OF ELECTRIC	FIELDS IN LIVE LINE WORKING	0970
USE OF ARTIFICIAL EM	FIELDS IN MED	1556
MAPPING OF FREE SPACE AND SCATTERED	FIELDS IN MICROWAVE DIATHERMY	2212
TO WEAK EXTREMELY LOW FREQUENCY EM	FIELDS IN NATURE	1108
XPOSURE TO SANGUINE/SEAFARER ELF EM	FIELDS IN NATURE	1647
STEADY MAGNETIC	FIELDS IN NONINVASIVE ELECTROMAGNETIC FLOWMETRY	0389
BIOLOGICAL SENSITIVITY TO MAGNETIC	FIELDS IN ORIENTATIONAL RESPONSES	2417
THE ROLE OF EM	FIELDS IN PHYSIOLOGICAL PROCESSES	2564
, X-RADIATION AND CONSTANT MAGNETIC	FIELDS IN PLASMA STUDY DEVICES	1340
OF RADIO-FREQUENCY ELECTROMAGNETIC	FIELDS IN POPULATED AREAS	2943
AL EFFECTS OF STRONG 60-HZ ELECTRIC	FIELDS IN RATS	0373
HIGH-FREQUENCY	FIELDS IN SOLENOIDAL COILS	3311
MEASUREMENTS OF ELECTROMAGNETIC	FIELDS IN THE CLOSE PROXIMITY OF CB ANTENNAS	0028
ON THE EXPOSURE OT ELECTROMAGNETIC	FIELDS IN THE COURSE OF HEAT TREATMENT OF METALS BY MEDIUM- HIGH-F	3409
PHYSIOLOGICAL EFFECTS OF EM	FIELDS IN THE ELF REGION, PART II. A REVIEW	1184
ARDS TO PERSONS FROM ALTERNATING EM	FIELDS IN THE FREQUENCY RANGE OF 3 KHZ TO 3000 GHZ (IN GERMAN)	2621
ELECTROMAGNETIC	FIELDS IN THE NEAR VICINITY OF TRANSMISSION LINE TOWERS	3172
H DATA ON THE STANDARDIZATION OF EM	FIELDS IN THE SHORT AND ULTRASHORT WAVE RANGES	2555
SOUND AND SUPER HIGH- FREQUENCY EM	FIELDS IN THE THREE-CENTIMETER RANGE	2051
DIFFERENTIAL EFFECTS OF EM	FIELDS IN THE TREATMENT OF NEUROSES AND DEPRESSION	1232
DISTRIBUTION OF ULTRASHORT WAVE	FIELDS IN THE VICINITIES OF URBAN TELEVISION CENTERS	1440
ELECTROMAGNETIC	FIELDS IN THE VICINITY OF RADAR THERAPY EQUIPMENT (IN ITALIAN)	0077
THE ROLE OF ELECTRICAL AND MAGNETIC	FIELDS IN THE VITAL ACTIVITIES OF BIOLOGICAL SYSTEMS	0763
ANALYSES OF ELECTROMAGNETIC	FIELDS INDUCED IN BIOLOGICAL TISSUES BY THERMOGRAPHIC STUDIES ON E	2946
EMENT OF INTERNAL ELECTRO- MAGNETIC	FIELDS INDUCED IN FINITE BIOLOGICAL BODIES BY NONUNIFORM ELECTROMA	0137
EM	FIELDS INDUCED INSIDE ARBITRARILY SHAPED BIOLOGICAL BODIES	0804
EM	FIELDS INDUCED INSIDE ARBITRARY CYLINDERS OF BIOLOGICAL TISSUE	1613
ENTAL AND THEORETICAL STUDIES ON EM	FIELDS INDUCED INSIDE FINITE BIOLOGICAL BODIES	1239

EM	FIELDS INDUCED INSIDE OF BIOLOGICAL BODIES	1741
FICATION AND MEASUREMENT OF INDUCED	FIELDS INSIDE FINITE BIOLOGICAL BODIES	2187
INDUCED EM	FIELDS INSIDE HUMAN BODIES IRRADIATED BY EM WAVES OF UP TO 500 MHZ	2796
MAGNETIC	FIELDS IRRADIATION, 'JONOMODULATOR' AND 'EICHOTHERM' APPARATUS (IN	1411
ELECTRIC AND MAGNETIC	FIELDS NEAR A CIRCULAR LOOD AT 27 MHZ	3310
SCATTERED MICROWAVE	FIELDS NEAR A FINITE, PLANAR, DIELECTRIC SLAB	2720
MINARY MEASUREMENTS OF EM RADIATION	FIELDS NEAR MICROWAVE OVENS	0571
PATTERNS IN PHANTOMS EXPOSED TO EM	FIELDS OF ARBITRARY POLARIZATION-- EXAMPLE, THE MICROWAVE OVEN	1192
EFFECTS OF SUPERHIGH FREQUENCY	FIELDS OF DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF COP	1505
AL EFFECTS OF ELECTRIC AND MAGNETIC	FIELDS OF EXTREMELY LOW FREQUENCY	1685
EFFECT OF SUPERHIGH FREQUENCY	FIELDS OF HIGH INTENSITIES ON THE BLOOD COAGULATION SYSTEM	1480
E BIOLOGICAL EFFECT OF THE ELECTRIC	FIELDS OF HIGH-TENSION LINES ON MAN (IN GERMAN)	2406
ION AND HYGIENIC SIGNIFICANCE OF EM	FIELDS OF SUPERHIGH AND ULTRAHIGH FREQUENCIES IN DENSELY POPULATED	0889
ACTION OF EM	FIELDS OF SUPERHIGH FREQUENCIES ON ERYTHROCYTES PRESERVED AT LOW T	1504
INFLUENCE OF ALTERNATING ELECTRIC	FIELDS OF TECHNICAL FREQUENCY ON CHICKEN EMBRYOS	2351
PERIMENTAL ANIMALS EXPOSED TO RF EM	FIELDS OF THE 155 AND 191 MHZ RANGE	1359
VISUALLY EVOKED MAGNETIC	FIELDS OF THE HUMAN BRAIN	2099
BIOLOGICAL EFFECTS OF	FIELDS OF THE SIEGE ARRAY	2083
ICAL EFFECT OF ULTRA-HIGH FREQUENCY	FIELDS OF VARIED INTENSITY	2870
D SYSTEM UNDER THE INFLUENCE OF SHF	FIELDS OF VARIOUS INTENSITIES AND IN RADIOWAVE SICKNESS	1442
EFFECT OF EM	FIELDS ON AIR IONIZATION (IN RUSSIAN)	1632
E EFFECTS OF LOW FREQUENCY ELECTRIC	FIELDS ON AMOEBAE AND THEIR USES AS TOOLS FOR STUDYING CELLULAR ST	0636
ELECTROPHYSIOLOGICAL EFFECTS OF EM	FIELDS ON ANIMALS	0875
OLOGICAL EFFECTS OF ELECTROMAGNETIC	FIELDS ON ANIMALS	3610
SOME EFFECTS OF VARIOUS PULSED	FIELDS ON ANIMALS WITH AUDIOGENIC EPILEPSY	1253
SOME EFFECTS OF HIGH ELECTRICAL	FIELDS ON BARLEY GROWTH	1978
EFFECTS OF WEAK ELECTRIC	FIELDS ON BEHAVIOR AND EEG OF LABORATORY ANIMALS	2418
E OF COMBINED ELECTRIC AND MAGNETIC	FIELDS ON BIOLOGICAL CELLS AND OTHER PARTICLES (IN GERMAN)	1733
RMAL EFFECTS OF RADIO AND MICROWAVE	FIELDS ON BIOLOGICAL MEMBRANES	2691
LANATIONS OF THE EFFECT OF MAGNETIC	FIELDS ON BIOLOGICAL OBJECTS	3189
G THE EFFECT OF SUPERHIGH FREQUENCY	FIELDS ON BIOLOGICAL SUBJECTS	3064
STRONG INFRALOW-FREQUENCY MAGNETIC	FIELDS ON BONE MARROW CELL DIVISION	0437
F CONTINUOUS AND PULSATING ELECTRIC	FIELDS ON BRAIN WAVE ACTIVITY IN RATS	1010
EFFECTS OF WEAK LOW FREQUENCY	FIELDS ON CALCIUM EFFLUX FROM CHICK AND CAT CEREBRAL TISSUE	2727
POSSIBLE EFFECTS OF STATIC MAGNETIC	FIELDS ON CANCER	1836
ION OF MAGNETIC AND ELECTROMAGNETIC	FIELDS ON CELLS	3006
EFFECTS OF UHF MAGNETIC	FIELDS ON DEVELOPMENT OF ARTERIAL AND LYMPHATIC COLLATERALS (AN EX	2810
F LOW-LEVEL, LOW-FREQUENCY ELECTRIC	FIELDS ON EEG AND BEHAVIOR IN MACACA NEMESTRINA	0831
EFFECTS OF WEAK ELF	FIELDS ON EFFLUX OF CALCIUM AND AN AMINO ACID TRANSMITTER (GABA) F	1989
USSR OF MEDICAL EFFECTS OF ELECTRIC	FIELDS ON ELECTRIC POWER SYSTEMS	3156
EFFECTS OF SHF	FIELDS ON ENZYMATIC ACTIVITIES AND PYRIDOXINE LEVELS IN THE ORGANS	1513
EFFECTS OF EM	FIELDS ON FECUNDITY IN THE CHICKEN	1089
FECTS OF EXTREMELY LOW FREQUENCY EM	FIELDS ON FREE FLYING MIGRANT BIRDS	1756
EFFECTS OF WEAK MAGNETIC	FIELDS ON GERBIL SPONTANEOUS ACTIVITY	2122
FECTS OF EXTREMELY LOW FREQUENCY EM	FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM	1030
FECTS OF EXTREMELY LOW FREQUENCY EM	FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM, PHA	1753
INFLUENCE OF MAGNETIC	FIELDS ON GROWTH AND REGENERATION IN ORGAN CULTURE	0147
EFFECT OF ELECTRIC	FIELDS ON GROWTH RATE OF EMBRYONIC CHICK TIBIAE IN VITRO	0592
SOME EFFECTS OF LOW LEVEL MAGNETIC	FIELDS ON GROWTH, DEVELOPMENT, AND BIOCHEMISTRY OF THE CHICK EMBRY	0099
Z ALTERNATING ELECTRIC AND MAGNETIC	FIELDS ON HUMAN BEINGS	1587
EFFECTS OF LOW-LEVEL, LOW-FREQUENCY	FIELDS ON HUMAN CIRCADIAN RHYTHMS	2420
OF EXTREMELY LOW FREQUENCY MAGNETIC	FIELDS ON HUMAN PERFORMANCE: A PRELIMINARY STUDY	1322
F LOW LEVEL, LOW FREQUENCY ELECTRIC	FIELDS ON HUMAN REACTION TIME	1032
EFFECTS OF 50 HZ ALTERNATING	FIELDS ON HUMANS	1177
HE EFFECTS OF ELECTRIC AND MAGNETIC	FIELDS ON INSECTS IN MOTION	1674
EFFECTS OF ELECTRIC	FIELDS ON LARGE ANIMALS	0269
EFFECTS OF ELECTRIC	FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY	0738
ACTION OF EM WAVES AND MAGNETIC	FIELDS ON LIPID MODIFICATIONS BROUGHT ON IN THE RABBIT BY THE ADMI	1775
EARCH FOR EFFECTS OF 45 HZ MAGNETIC	FIELDS ON LIVER TRIGLYCERIDES IN MICE	0927
SYSTEM, PART I: EFFECT OF ELECTRIC	FIELDS ON LIVING ORGANISMS	0696
EFFECTS OF ELECTRIC AND MAGNETIC	FIELDS ON LIVING ORGANISMS AND IN PARTICULAR ON MAN--GENERAL REVUE	1585
IODOACETAMIDE, X-RAYS, AND MAGNETIC	FIELDS ON LYMPHOMA CELS IN VIVO	2332
EFFECT OF CONSTANT MAGNETIC	FIELDS ON MACROMOLECULES (IN RUSSIAN WITH ENGLISH SUMMARY)	1121
INFLUENCE OF EM	FIELDS ON MAN	1173
FFECTS OF ELECTRICAL POWER INDUSTRY	FIELDS ON MAN	1889

EFFECT OF HIGH-FREQUENCY FIELDS ON MICRO-ORGANISMS 1899
E EFFECTS OF STRONG RADIO-FREQUENCY FIELDS ON MICRO-ORGANISMS IN AQUEOUS SOLUTIONS 0529
EFFECTS OF EM FIELDS ON MICROSOMAL ATPASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYL 1080
EFFECT OF MICROWAVE FIELDS ON MUSCLE CONTRACTION 1190
EFFECTS OF SHF FIELDS ON MUSCLE OXYGEN TENSION AND TEMPERATURE IN RATS ADAPTED TO 0378
EFFECTS OF RF FIELDS ON NERVOUS ACTIVITIES 2443
OF 45 HZT, 60 HZ AND 75 HZ ELECTRIC FIELDS ON NEUROPHYSIOLOGY AND BEHAVIOR OF MONKEYS, PHASE I: CONTIN 1373
MECHANICAL EFFECTS OF AC FIELDS ON PARTICLES DISPERSED IN A LIQUID: BIOLOGICAL IMPLICATIONS 3054
EFFECT OF 2450 MHZ MICROWAVE FIELDS ON PERIPHERAL NERVES 2384
HIGH FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELECTRICAL PROPERTIES 1293
LONG TERM EFFECTS OF EM FIELDS ON PHYSARUM POLCEPHALUM 2473
EMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS ON PHYSARUM POLYCEPHALUM 3147
TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON RATS 1421
EFFECT OF MAGNETIC FIELDS ON REACTION TIME PERFORMANCE 2107
EFFECTS OF INDUSTRIAL FREQUENCY EM FIELDS ON REPRODUCTIVE FUNCTION 2580
INFLUENCE OF ELECTROSTATIC FIELDS ON RESPIRATORY ENZYMES 0382
LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 0863
LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 1171
EFFECTS OF WEAK ELF ELECTRIC FIELDS ON SCHEDULE CONTROLLED BEHAVIOR OF MONKEYS 2162
XPOSURE TO RADIO-FREQUENCY ELECTRIC FIELDS ON SEED-BORNE MICROORGANISMS 1921
L EFFECTS OF HIGH STRENGTH ELECTRIC FIELDS ON SMALL LABORATORY ANIMALS 0431
MPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS 1759
MPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS IN NATURE 1766
MPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS. ONGOING STUDIES AT THE PROJECT SANGUIN 1689
T OF CONSTANT AND VARIABLE MAGNETIC FIELDS ON SOME INDICES OF PHYSIOLOGICAL FUNCTIONS AND METABOLIC PR 2493
EFFECTS OF MODULATED VHF FIELDS ON SPECIFIC BRAIN RHYTHMS IN CATS 0447
THE ACTION OF MAGNETIC FIELDS ON THE ANIMAL ORGANISM (IN FRENCH) 2629
EFFECTS OF UNIFORM MAGNETIC FIELDS ON THE BIOELECTRIC RESPONSE OF THE ALGA NITELLA CLAVATA 1583
BLEMS OF THE EFFECT OF MICROWAVE EM FIELDS ON THE BODY 0586
NFLUENCE OF SUPER HIGH-FREQUENCY EM FIELDS ON THE CAPILLARY BED, PARENCHYMA, AND SOME BIOCHEMICAL PROP 1502
EFFECTS OF MODULATED VHF FIELDS ON THE CENTRAL NERVOUS SYSTEM 1060
ECT OF ELECTROMAGNETIC AND MAGNETIC FIELDS ON THE CENTRAL NERVOUS SYSTEM 3070
INFLUENCE OF STRONG MAGNETIC FIELDS ON THE ELECTROCARDIOGRAM OF SQUIRREL MONKEYS (SAIMIRI SCIUR 2496
EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COLLOIDS 0662
EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COLLOIDS 3221
OF RADIO-FREQUENCY AND MICROWAVE EM FIELDS ON THE ENZYME-SUBSTRATE REACTION IN AQUEOUS SOLUTIONS AND O 2481
SSIBLE INFLUENCE OF ELECTROMAGNETIC FIELDS ON THE FUNCTION OF PACEMAKERS. (IN CZE) 0356
IRONMENTAL IMPACT OF 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS 2833
TS OF HIGH-INTENSITY 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS AND ANIMALS 2791
EFFECT OF MAGNETIC AND ELECTRIC FIELDS ON THE GROWTH AND RATE OF MUTATIONS OF VARIOUS MICRO-ORGANI 1593
OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF ANIMALS 2277
OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHICKENS 2289
EFFECTS OF HIGH-FREQUENCY ELECTRIC FIELDS ON THE LIVING CELL, I. BEHAVIOUR OF HUMAN ERYTHROCYTES IN H 1692
CTS OF 60 HZ ENVIRONMENTAL ELECTRIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYSTEM 0211
EFFECT OF ZERO MAGNETIC FIELDS ON THE MEMBRANE BOUND ENZYME ACTIVITY 2620
THE EFFECTS OF EM FIELDS ON THE NERVOUS SYSTEM 1582
EFFECT OF VARIOUS EM FIELDS ON THE REPRODUCTIVE PERFORMANCE OF CHICKENS 2687
NG-TERM EFFECTS OF WEAK 45-75 HZ EM FIELDS ON THE SLIME MOLD PHYSARUM POLYCEPHALUM 2182
INFLUENCE OF LOW FREQUENCY EM FIELDS ON THE TOXINE GENERATING POTENTIAL OF THE TETANIC BACILLUS 1998
E EFFECT OF ELECTRICAL AND MAGNETIC FIELDS ON THE VITAL ACTIVITY OF ORGANISMS 3507
EFFECT OF RADIO-FREQUENCY FIELDS ON THE ZETA-POTENTIAL OF A COLLOIDAL SUSPENSION 3222
EXPOSURE TO LOW FREQUENCY ELECTRIC FIELDS ON THREE GENERATIONS OF MICE: A PILOT STUDY 0674
EFFECT OF MAGNETIC FIELDS ON YEAST CELLS (IN GERMAN) 2714
SSUE TO WEAK ENVIRONMENTAL ELECTRIC FIELDS OSCILLATING AT LOW FREQUENCY 0819
CEPHALOGRAPHY: EVIDENCE OF MAGNETIC FIELDS PRODUCED BY ALPHA-RHYTHM CURRENTS 2100
ELECTRIC AND MAGNETIC FIELDS PRODUCED BY COMMERCIAL POWER SYSTEMS 1665
OD FOR EXPOSING CELL CULTURES TO EM FIELDS UNDER CONDITIONS OF CONTROLLED TEMPERATURE AND FIELD STRENG 1686
AN EXAMINATION OF ELECTRIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES 2609
E EFFECT OF SUPER-HIGH FREQUENCY EM FIELDS UNDER THE CONDITIONS OF DIFFERENT ULTRAVIOLET RADIATIONS (I 2715
A STUDY OF THE EFFECT OF ELF EM FIELDS UPON DROSOPHILA MELANOGASTER 1770
LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, AND BEHAVIOR IN DOMESTIC BIRDS, P 1786
ACTION OF THREE TYPES OF MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT 1139
ICAL EFFECTS DUE TO RF AND MAGNETIC FIELDS USED IN NMR IMAGING 0135
VISUAL OBSERVATION OF RF MAGNETIC FIELDS USING CHOLESTERIC LIQUID CRYSTALS 3364
ICAL STUDY ON THE INTERACTION OF EM FIELDS WITH ARBITRARILY SHAPED BIOLOGICAL BODIES 2070

UBSTRATES FOR THE INTERACTION OF EM	FIELDS WITH BIOLOGIC MEMBRANES	1064
OF STATIC AND ALTERNATING ELECTRIC	FIELDS WITH BIOLOGICAL SYSTEMS	3605
CTION OF EXTREMELY LOW FREQUENCY EM	FIELDS WITH BRAIN ORGANELLES	0799
RING EXPOSURE OF THE ORGANISM TO EM	FIELDS WITH DIFFERENT CHARACTERISTICS (IN RUSSIAN)	1401
COMPLETE MEASUREMENT OF EM	FIELDS WITH ELECTRO-OPTICAL CRYSTALS	2206
INTERACTION OF EM	FIELDS WITH MAN AND EXPERIMENTAL ANIMALS	1291
VARIOUS PHYSICAL FACTORS (MAGNETIC	FIELDS) ON THE DEVELOPMENT OF ARTEMIA SALINA EGGS (IN FRENCH)	2143
ELECTROSTATIC FIELDS, EM	FIELDS , AND IONS--MIND/BODY/ ENVIRONMENT INTERRELATIONSHIPS	1662
HE MICROLITE 287 PROBE TO MICROWAVE	FIELDS , BRH/DEP 70-20	3033
EM	FIELDS , BY HENRYK MIKOLAJCZUK (BOOK REVIEW, IN POLISH)	1623
ELECTROSTATIC	FIELDS , EM FIELDS, AND IONS--MIND/BODY/ ENVIRONMENT INTERRELATIONS	1662
CATIONS AFTER EXPOSURE TO MICROWAVE	FIELDS , ON THE WHITE RAT	1949
AUSED BY HIGH POWER, HIGH FREQUENCY	FIELDS , VOL. 1	1424
AUSED BY HIGH POWER, HIGH FREQUENCY	FIELDS , VOL. 1	3519
AUSED BY HIGH POWER, HIGH FREQUENCY	FIELDS , VOL. 2	1425
HE INTENSITIES OF EM RADIOFREQUENCY	FIELDS , X-RADIATION AND CONSTANT MAGNETIC FIELDS IN PLASMA STUDY D	1340
HROSES AND NON-UNIONS BY PULSING EM	FIELDS--A PRELIMINARY REPORT	2373
EMELY LOW FREQUENCY ELECTROMAGNETIC	FIELDS	0149
EMELY LOW FREQUENCY ELECTROMAGNETIC	FIELDS	0152
HUMAN MAGNETIC AUDITORY EVOKED	FIELDS	0187
RADIOSENSITIVITY IN ELECTROMAGNETIC	FIELDS	0207
N OF HIGH FREQUENCY ELECTROMAGNETIC	FIELDS	0231
ATS AND DOGS EXPOSED TO DC MAGNETIC	FIELDS	0232
C TRANSMISSION LINE ELECTROMAGNETIC	FIELDS	0375
ALTERNATING LOW-FREQUENCY MAGNETIC	FIELDS	0376
F WHEAT STEMS AND ROOTS TO MAGNETIC	FIELDS	0377
TO RADIO-FREQUENCY ELECTROMAGNETIC	FIELDS	0405
B- JECTED TO ENVIRONMENTAL LEVEL RF	FIELDS	0418
ALL ANIMALS TO PLANE-WAVE MICROWAVE	FIELDS	0420
OF LOW FRE- QUENCY ELECTROMAGNETIC	FIELDS	0441
ASUREMENT OF INHOMOGENEOUS MAGNETIC	FIELDS	3312
TERATOGENIC POWER OF SHF	FIELDS . FURTHER EXPERIMENTS ON TENEBRIO MOLITOR COLEOPTERON	2408
BIOLOGIC EFFECTS OF MAGNETIC	FIELDS . (IN CZE)	0326
D TO HIGH FREQUENCY ELECTROMAGNETIC	FIELDS . (IN RUS.)	0146
CELERATION OF FRACTURE REPAIR BY EM	FIELDS . A SURGICALLY NONINVASIVE METHOD	1050
ATE REACTIONS IN VERY HIGH MAGNETIC	FIELDS . I	2118
ARDS OF EXPOSURE TO RADIO FREQUENCY	FIELDS . MICROWAVE STUDIES	0967
LOW INTENSITY MAGNETIC AND ELECTRIC	FIELDS : EXPERIMENT 2	3274
RADIOFREQUENCY	FIELDS : A NEW ECOLOGICAL FACTOR	3060
FECTS OF EXTREMELY LOW FREQUENCY EM	FIELDS : A REVIEW	0935
ECTS OF STATIC AND LOW FREQUENCY EM	FIELDS : AN OVERVIEW OF UNITED STATES LITERATURE	2393
QUANTIFYING HAZARDOUS MICROWAVE	FIELDS : ANALYSIS	1545
AL EFFECTS OF HIGH VOLTAGE ELECTRIC	FIELDS : BIBLIOGRAPHY AND SURVEY OF ONGOING WORK, 1975	2252
TO EXTREMELY LOW-FREQUENCY MAGNETIC	FIELDS : CENTRAL-NERVOUS-SYSTEM EFFECTS AS MEASURED BY REACTION TIM	1752
SANGUINE EXTREME LOW FREQUENCY EM	FIELDS : EFFECT OF LONG- TERM EXPOSURE ON SOIL ARTHROPODS AND OTHER	2160
SEAFARER EXTREMELY LOW FREQUENCY EM	FIELDS : EFFECT OF LONG-TERM EXPOSURE ON SOIL ARTHROPODS IN NATURE	1769
NON IONISING EM	FIELDS : ENVIRONMENTAL FACTORS IN RELATION TO MILITARY PERSONNEL	0837
LOW INTENSITY MAGNETIC AND ELECTRIC	FIELDS : EXPERIMENT 1	0764
LOW INTENSITY MAGNETIC AND ELECTRIC	FIELDS : EXPERIMENT 2	0765
LOW INTENSITY MAGNETIC AND ELECTRIC	FIELDS : EXPERIMENT 3	0766
OCEANIC ELECTRIC	FIELDS : PERCEPTION BY AMERICAN EELS?	1851
QUANTIFYING HAZARDOUS MICROWAVE	FIELDS : PRACTICAL CONSIDERATIONS	1546
MEASUREMENT IN MICROWAVE DIATHERMY	FIELDS : PRINCIPLES AND PROBES	2459
QUANTIFYING HAZARDOUS EM	FIELDS : SCIENTIFIC BASIS AND PRACTICAL CONSIDERATIONS	0501
EHV ELECTRIC	FIELDS : THE NEW RADIATION SCARE	3609
EHV ELECTRIC	FIELDS : THE NEW RADIATION SCARE	3241
ORIENTATION OF MICROORGANISMS BY EM	FIELDS : THEORY AND EXPERIMENT	1746
ORIENTATION OF ACTIN AND MYOSIN	FILAMENTS IN INTERMEDIATE STRENGTH MAGNETIC FIELDS	2338
OPTICAL	FILM SENSORS FOR RF HOLOGRAPHY	3359
THIN	FILM SPHERICAL BOLOMETER FOR MEASUREMENT OF HAZARDOUS FIELD INTENS	3297
SURVIVAL OF MICROBIAL	FILMS IN THE MICROWAVE OVEN	3425
DER WAALS FORCES ACROSS THIN LIPID	FILMS	3225
A MINIATURE HIGH-Q BANDPASS	FILTER EMPLOYING DIELECTRIC RESONATORS	3353
FERRIMAGNETIC-DIELECTRIC MICROWAVE	FILTER	3352
	FILTERED VERSUS UNFILTERED RF ENERGY FOR NERVE STIMULATION	1678

MICROWAVE OVENS: COOKING WITH YOUR	FINGERS CROSSED	2930
OF THE ELECTROSENSORY SYSTEM IN THE	FISH	0612
THE NATURE OF ELECTROSENSING IN THE	FISH	1038
ELECTROMAGNETIC SENSING IN	FISH	2416
	FISH MUSCLE IN THE FROZEN STATE: TIME DEPENDENCE OF ITS MICROWAVE	0901
MARINE ELECTRIC FIELDS AND	FISH ORIENTATION	0336
ICATION IN FISH: CERTAIN SPECIES OF	FISH PRODUCE ELECTRIC SIGNALS THAT ARE USED FOR IDENTIFICATION, AG	0502
OLING BEHAVIOR IN A WEAKLY ELECTRIC	FISH , MARCUSENIUS CYPRINOIDES L. (MORMYRIFORMES)	1176
ELECTRIC COMMUNICATION IN	FISH : CERTAIN SPECIES OF FISH PRODUCE ELECTRIC SIGNALS THAT ARE US	0502
CATCH SELECTIVITY BY ELECTRICAL	FISHING SYSTEMS	0934
TRIBUTION OF STRONTIUM-90 AND OTHER	FISSION PRODUCTS IN HUMANS	3178
VE IRRADIATION AS A MEANS OF TISSUE	FIXATION	0716
WAVE RADIATION AS A MEANS OF TISSUE	FIXATION	2517
FAST	FIXATION OF BRAIN IN SITU BY HIGH INTENSITY MICROWAVE IRRADIATION:	1123
MICROWAVE	FIXATION OF FETAL SPECIMENS	2767
PRELIMINARY REPT.: MICROWAVE	FIXATION OF HUMAN TISSUES	0908
RAPID MICROWAVE	FIXATION OF RAT BRAIN	0040
LUS FORMATION AND EXTERNAL SKELETAL	FIXATION USING METHYL METHACRYLATE FOR DELAYED UNION OF OPEN TIBIA	2781
MOUSE BRAIN FOLLOWING RAPID TISSUE	FIXATION WITH MICROWAVE IRRADIATION	0810
ON OF TRANSFER OF TUBE PEDICLES AND	FLAPS	1826
COMMUNICATION IN BIRD	FLOCKS : AN EM MODEL	1671
VE AND MICROWAVE DIATHERMY ON BLOOD	FLOW	0565
ERNAL FIELD EM MEASUREMENT OF BLOOD	FLOW	0752
TY OF INHIBITING AND STOPPING BLOOD	FLOW BY A MAGNETIC FIELD	0950
MAGNETIC FIELD ON OSCILLATING BLOOD	FLOW IN ARTERIES	0920
YNAMIC PARAMETERS IN UNSTEADY BLOOD	FLOW IN ARTERIES IN PRESENCE OF STATIC MAGNETIC FIELD	0017
INCREASED BLOOD	FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING	2534
ALTERATIONS IN BLOOD	FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING AND TEMPERATURE	2529
MICROWAVE THERAPY AND MUSCLE BLOOD	FLOW IN MAN	1156
S OF BODY CORE HYPOTHERMIA ON BLOOD	FLOW IN TUMORS HEATED WITH MICROWAVE RADIATION	2530
HEPATIC BLOOD	FLOW MEASUREMENT	1844
OLDS FOR PHYSIOLOGICAL RESPONSES TO	FLOW OF ALTERNATING ELECTRIC CURRENT THROUGH THE HUMAN BODY AT POW	3017
THE EFFECTS OF DIATHERMY ON THE	FLOW OF BLOOD IN THE EXTREMITIES	0656
T EM FIELD ON THE DYNAMICS OF BLOOD	FLOW OF WARM BLOODED ANIMALS (IN RUSSIAN)	1336
EFFECT OF SURFACE COOLING AND BLOOD	FLOW ON THE EM HEATING OF TISSUE	2451
CONVECTION HEAT TRANSFER AND	FLOW PHENOMENA OF ROTATING SPHERES	3304
CHANGES IN PERIPHERAL BLOOD	FLOW PRODUCED BY SHORT-WAVE DIATHERMY	0620
ELDS IN NONINVASIVE ELECTROMAGNETIC	FLOWMETRY	0389
INCREASED CEREBROSPINAL	FLUID LEVELS OF ENDORPHINS AFTER ELECTRO-ACUPUNCTURE	1189
ENTS AND PREDICTIONS FOR BIOLOGICAL	FLUIDS AND TISSUES	3542
ATTENUATION FUNCTION FOR BIOLOGICAL	FLUIDS AT MILLIMETER AND FAR-INFRARED WAVELENGTHS	2195
MAGNETIC FIELD ON THE RECOMBINATION	FLUORESCENCE OF PHOTOSYNTHETIC BACTERIA (IN RUSSIAN)	0032
INVESTIGATION OF	FLUORESCENCE POLARIZATION OF CHLORELLA CELLS AND PEA CHLOROPLASTS	0197
CILLUS MESENTERICUS AND PSEUDOMANAS	FLUORESCENS (IN RUSSIAN)	1633
EVALUATION OF LITHIUM	FLUORIDE FOR MICROWAVE DOSIMETRY APPLICATIONS	2944
	FLUOROSCOPE-GENERATED EM INTERFERENCE IN AN EXTERNAL DEMAND PACEMA	2370
ENERGY	FLUX ALONG HIGH VOLTAGE TRANSMISSION LINES	1964
MAXIMUM	FLUX DENSITY OF THE POWER FROM A BROADCAST SATELLITE IN THE 620-79	2323
ELECTRIC FIELDS AND MAGNETIC	FLUX UNDER EHV OVERHEAD POWER TRANSMISSION LINES	0166
A	FLUX-DENSITY SCALE FOR MICROWAVE FREQUENCIES	0749
DIENTS CHANGE IONIC AND TRANSMITTER	FLUXES IN CORTEX	1493
ELY LOW FREQUENCY EM FIELDS ON FREE	FLYING MIGRANT BIRDS	1756
NDITIONS FOR EFFECTS OF ELF ON FREE	FLYING MIGRANT BIRDS	0202
IGNITABILITY OF ANECHOIC CHAMBER	FOAM BY ELECTRIC CURRENTS	0945
	FOCAL HYPERTHERMIA AS INDUCED BY RF RADIATION OF SIMULACRA WITH EM	2732
OF THE CILIATE, PARAMECIUM BURSARIA	FOCKE , IN EM FIELD	1913
FEASIBILITY OF	FOCUSED MICROWAVE ARRAY SYSTEM FOR TUMOUR IRRADIATION	0296
S SACRIFICED BY DECAPITATION VERSUS	FOCUSED MICROWAVE IRRADIATION	0928
N RAT BRAIN HISTAMINE CONTENT AFTER	FOCUSED MICROWAVE IRRADIATION	2591
A FREE-SPACE	FOCUSED MICROWAVE SYSTEM TO DETERMINE THE COMPLEX PERMITTIVITY OF	3341
ON	FOCUSING ELECTROMAGNETIC RADIATORS	3295
	FOCUSSED MICROWAVE RADIATION: A TECHNIQUE TO MINIMIZE POST MORTEM	1326
CONSTANT AND DISSIPATION FACTOR OF	FOLIAGE	3335
OSURE OF RATS: A SEARCH FOR GROWTH,	FOOD AND WATER CONSUMPTION, BLOOD METABOLITE, HEMATOLOGICAL, AND P	0957

OSURE OF RATS: A SEARCH FOR GROWTH,	FOOD CONSUMPTION AND BLOOD METABOLITE ALTERATIONS	1787
IN LIQUID, BUFFERED, AND ALCOHOLIC	FOOD SYSTEMS	2498
LSE AS ADJUNCTIVE THERAPY FOLLOWING	FOOT SURGERY	1812
CONDITIONED REFLEXES IN MICE UNDER	FOOTHILL AND ALPINE CONDITIONS	0273
MICROWAVE MARKET	FORCAST FOR 1978	3196
NS CHANGES IN THE UNITED STATES AIR	FORCE	1381
-RANGE DEVELOPMENT PLANS IN THE AIR	FORCE	1561
CHANGES IN MUSCULAR	FORCE IN ELDERLY SUBJECTS CAUSED BY ELECTRICAL STIMULATION	3402
ROL SYSTEM INFLUENCED BY ELECTRICAL	FORCES	1049
TO THE CALCULATION OF VAN DER WAALS	FORCES ACROSS THIN LIPID FILMS	3225
EM	FORCES AND CIRCADIAN RHYTHMS	1166
EM	FORCES AND LIFE PROCESSES	0595
SELECTIVE LONG RANGE DISPERSION	FORCES BETWEEN LARGE SYSTEMS	3254
	FORECASTING THE INTENSITY OF UHF RADIATION	1395
DIAGNOSTIC AND	FORENSIC PROBLEMS IN CASES OF SO-CALLED 'MICROWAVE NEUROSIS' (IN P	1846
LATIONS IN THE CHEQUAMEGON NATIONAL	FOREST DURING 1971 AND 1972	1751
PEARL CHAIN	FORMATION	1567
M OF ELECTRICAL STIMULATION OF BONE	FORMATION	2242
IATION ON THE INCIDENCE OF CATARACT	FORMATION	3021
PEARL CHAIN	FORMATION ACROSS RADIO FREQUENCY FIELDS	1730
THE ELECTRICAL INDUCTION OF CALLUS	FORMATION AND EXTERNAL SKELETAL FIXATION USING METHYL METHACRYLATE	2781
	FORMATION AND RESEALING OF PORES OF CONTROLLED SIZES IN HUMAN ERYT	2297
ELECTRICAL CALLUS AND CALLUS	FORMATION BY ELECTRET	2775
MICROWAVE IRRADIATION AND CATARACT	FORMATION IN RABBITS AND MONKEYS	1128
ELECTRET INDUCED CALLUS	FORMATION IN THE RAT	2776
	FORMATION OF HOT SPOTS IN MULTILAYER SPHERES	1208
EFFECT OF EM ENERGY ON THE	FORMATION OF TRIGLYCERIDES: FREQUENCY INFLUENCE	1130
THE LEVEL OF THE MIDBRAIN RETICULAR	FORMATION- HYPOTHALAMUS-CEREBLAR CORTEX LEVEL	1444
THE ROLE OF DIFFERENT BRAIN	FORMATIONS IN EEG REACTIONS OF RABBITS TO A CONSTANT MAGNETIC FIEL	1486
MICROWAVE IRRADIATION ON THE BLOOD	FORMING SYSTEM OF GUINEA PIGS AND RABBITS	0622
10 CM WAVES ON SPECIALIZED APPETITE	FORMS AND ELECTROLYTE LEVELS OF THE BLOOD AND URINE IN RATS	1357
IN THE INTENSIVE THERAPY OF SEVERE	FORMS VIRAL HEPATITIS	0013
ELF EM FIELD EFFECTS ON LIFE	FORMS--BIBLIOGRAPHY	2253
AN EMPIRICAL	FORMULA FOR BROAD-BAND SAR CALCULATIONS OF PROLATE SPHEROIDAL MODE	0301
TRANSMITTING AND RECEIVING	FORMULAS FOR ANTENNAS AND FIELD INTENSITY METERS	3292
ON HAZARDS (RAD HAZ) PROGRAM ON THE	FORMULATION OF STANDARDS	0461
EMR: A DIGEST OF CURRENT LIT. AND A	FORUM OF COMMUNICATION	1414
EMR: A DIGEST OF CURRENT LIT. AND A	FORUM OF COMMUNICATION	1415
EMR: A DIGEST OF CURRENT LIT. AND A	FORUM OF COMMUNICATION	1416
EMR: A DIGEST OF CURRENT LIT. AND A	FORUM OF COMMUNICATION	1417
EMR: A DIGEST OF CURRENT LIT. AND A	FORUM OF COMMUNICATION	1418
EMR: A DIGEST OF CURRENT LIT. AND A	FORUM OF COMMUNICATION	1419
CTS OF MICROWAVES ON THE ROUS NO. 1	FOWL SARCOMA VIRUS	2503
EXPOSURE OF DOMESTIC	FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS	2180
TACT TIBIAE AND THE EFFECT ON FRESH	FRACTURE DEFECTS IN RADII	2773
ON ON THE BIOPHYSICAL PROPERTIES OF	FRACTURE HEALING	2241
ELECTRICAL	FRACTURE HEALING	2245
TION ON BONE GROWTH IN VITRO AND ON	FRACTURE HEALING	2330
PROLIFERATION IN NORMAL AND DELAYED	FRACTURE HEALING	2782
ELECTRICAL STIMULATION OF HUMAN	FRACTURE HEALING BY MEANS OF A SLOW PULSATING, ASYMMETRICAL DIRECT	2784
ACCELERATION OF	FRACTURE REPAIR BY EM FIELDS. A SURGICALLY NONINVASIVE METHOD	1050
E ACCELERATION OF WOUND HEALING AND	FRACTURE UNION	1825
TE FOR DELAYED UNION OF OPEN TIBIAL	FRACTURE WITH SEGMENTAL LOSS	2781
ICAL CURRENTS ON THE HEALING OF JAW	FRACTURES	2780
HEALING	FRACTURES ELECTRICALLY	1833
MAGNETOTHERAPY OF INFECTED OPEN	FRACTURES	0351
CONSOLIDATION OF BONE	FRAGMENTS IN A CONSTANT MAGNETIC FIELD	2478
F CHLOROPLASTS AND SUB- CHLOROPLAST	FRAGMENTS ORIENTED IN AN ELECTRIC FIELD	2704
KINEMATIC DESCRIPTION OF A HELICAL	FRAME OF REFERENCE SYSTEM IN THE SPECIAL THEORY OF RELATIVITY	0424
TS AND STUDIES OF THE EXTREMELY LOW	FRE- QUENCY COMMUNICATION SYSTEM (A BIBLIOGRAPHY W/ABSTRACTS)	0331
ANISMS BEHIND THE BIOEFFECTS OF LOW	FRE- QUENCY ELECTROMAGNETIC FIELDS	0441
RMATIONAL EFFECTS ON THE ACTIVATION	FREE ENERGY OF DIFFUSION THROUGH MEMBRANES AS INFLUENCED BY ELECTR	0860
BRAIN	FREE FATTY ACID LEVELS IN RATS SACRIFICED BY DECAPITATION VERSUS F	0928
XTREMELY LOW FREQUENCY EM FIELDS ON	FREE FLYING MIGRANT BIRDS	1756
NG CONDITIONS FOR EFFECTS OF ELF ON	FREE FLYING MIGRANT BIRDS	0202

HE EFFECT OF AN ELECTROSTATIC FIELD	FREE OF RESIDUAL WAVES ON THE MOTILITY OF THE MOUSE (IN GERMAN)	2703
NETIC FIELD ON THE CONCENTRATION OF	FREE RADICALS IN THE ORGANS AND TISSUES OF MICE	2488
MAPPING OF	FREE SPACE AND SCATTERED FIELDS IN MICROWAVE DIATHERMY	2212
EFFECTS OF A FIELD	FREE SPACE ON THE CIRCADIAN ACTIVITY RHYTHM OF THE HOUSE SPARROW,	2163
	FREE-OPERANT AVOIDANCE AND ESCAPE FROM MICROWAVE RADIATION	2659
	FREE-SPACE ELECTRIC FIELD MAPPING OF MICROWAVE DIATHERMY APPLICATO	0033
A	FREE-SPACE FOCUSED MICROWAVE SYSTEM TO DETERMINE THE COMPLEX PERMI	3341
WHOLE ORGAN	FREEZING AND THAWING-HEAT TRANSFER AND THERMAL PROPERTIES	3543
TREATMENT WITH DIMETHYL- SULFOXIDE,	FREEZING AT -80 DEGREES CELSIUS, AND THAWING BY MICROWAVE ILLUMINA	2698
DISCHARGES AT WATER DROPS OVER THE	FREEZING TEMPERATURE RANGE	3135
ENT METHODS FOR SOLIDS AT MICROWAVE	FREQENCIES	3334
BIOLOGICAL SUBSTANCES AT MICROWAVE	FREQUENCIES	0088
TYPES OF HUMAN TISSUES AT MICROWAVE	FREQUENCIES	0463
WATER AND HUMAN BLOOD AT MICROWAVE	FREQUENCIES	0464
IELECTRIC MEASUREMENTS AT MICROWAVE	FREQUENCIES	0489
ENTIALLY HAZARDOUS EMR AT MICROWAVE	FREQUENCIES	0616
A FLUX-DENSITY SCALE FOR MICROWAVE	FREQUENCIES	0749
OLECULES AT RADIOWAVE AND MICROWAVE	FREQUENCIES	1304
S OF MICROWAVE RADIATION AT KU-BAND	FREQUENCIES	1830
LECTRIC SHOCK AT POWER TRANSMISSION	FREQUENCIES	2022
MICROWAVE IRRADIATIONS OF DIFFERENT	FREQUENCIES	2520
DELS OF HUMANS AND MONKEYS AT RADIO	FREQUENCIES	2737
HE HUMAN BODY AT POWER-TRANSMISSION	FREQUENCIES	3017
F CONDUCTIVE MATERIALS AT MICROWAVE	FREQUENCIES	3141
MOSPHERIC NOISE LEVELS AT DIFFERENT	FREQUENCIES	3176
THE BIOLOGICAL ACTION OF ULTRAHIGH	FREQUENCIES	3444
ENT METHODS FOR SOLIDS AT MICROWAVE	FREQUENCIES	3463
EASUREMENTS OF LIQUIDS AT MICROWAVE	FREQUENCIES	3467
CTOGENIC POTENCIES OF TWO MICROWAVE	FREQUENCIES (2.45 AND 10 GHZ)	2157
ON OF DEEP HEATING BY MICROWAVES AT	FREQUENCIES 2456 NAD 900 MEGACYCLES	3544
RADIO PROPAGATION AT	FREQUENCIES ABOVE 30 MEGACYCLES	3490
MAGNETIC FIELD STANDARD AT	FREQUENCIES ABOVE 30 MHZ	2189
THE RADIO	FREQUENCIES AND MICROWAVE	3219
	FREQUENCIES AND THRESHOLDS OF MICROWAVE-INDUCED AUDITORY SIGNALS	2759
THEORETICAL CALCULATION OF	FREQUENCIES BASED ON THE RESULTS OF RHEOGRAPHIC EXAMINATIONS	1499
HANDLING SOURCES OF ULTRAHIGH RADIO	FREQUENCIES BELOW 1000 MHZ IN RADIO WAVE PROPAGATION	3561
ELECTROMAGNETIC FIELD STRENGTH FOR	FREQUENCIES BELOW 30 MHZ	1549
Y RADIATION HAZARDS TO PERSONNEL AT	FREQUENCIES FROM 5 TO 40 GHZ	3231
COMPLEX PERMITTIVITY OF LIQUIDS AT	FREQUENCIES IN DENSELY POPULATED AREAS	0889
M FIELDS OF SUPERHIGH AND ULTRAHIGH	FREQUENCIES NEAR RESONANCE	2188
GY DEPOSITION IN MODELS OF MAN WITH	FREQUENCIES OF 2,450 AND 900 MEGACYCLES	3329
BY EXPOSURE TO MICROWAVE ENERGY AT	FREQUENCIES ON ERYTHROCYTES PRESERVED AT LOW TEMPERATURE	1504
ACTION OF EM FIELDS OF SUPERHIGH	FREQUENCIES ON THESE PHENOMENA	1085
F VARIOUS MICROWAVE AND BLACK LIGHT	FREQUENCIES USING AN UNMATCHED PHASE CHANGER	3336
Y OF HIGH-LOSS LIQUIDS AT MICROWAVE	FREQUENCIES , MOTILE CELLS, MEASUREMENTS AND MODELS, PART I (THE EF	0636
LOW	FREQUENCIES	3290
ERMITTIVITY OF LIQUIDS AT MICROWAVE	FREQUENCIES	3338
STANT AND CONDUCTIVITY AT ULTRAHIGH	FREQUENCIES	3342
SUREMENTS OF MATERIALS AT ULTRAHIGH	FREQUENCIES	0819
ELECTRIC FIELDS OSCILLATING AT LOW	FREQUENCY	1685
ND MAGNETIC FIELDS OF EXTREMELY LOW	FREQUENCY	2044
BJECTED TO AN EM FIELD OF ULTRAHIGH	FREQUENCY	3077
V ALTERNATING CURRENT AT INDUSTRIAL	FREQUENCY	3102
FIELDS ALTERNATING AT EXTREMELY LOW	FREQUENCY	3431
CTROMAGNETIC RADIATION AT 27-30 MHZ	FREQUENCY	0014
NATING MAGNETIC FIELD OF INDUSTRIAL	FREQUENCY (IN RUSSIAN)	1663
TEMPORAL VARIATION OF EXTREMELY LOW	FREQUENCY (0-100 HZ) EM FIELDS	2031
HE EFFECT OF EM FIELD OF INDUSTRIAL	FREQUENCY (50 HZ)	0233
EFFECT OF A LOW	FREQUENCY (50 HZ) ELECTRIC FIELD ON THE BODY (IN RUSSIAN)	0379
INFLUENCE OF A LOW	FREQUENCY (50 HZ) ELECTRIC FIELD ON THE ORGANISM	0436
BIOLOGICAL ACTION OF AN INDUSTRIAL	FREQUENCY (50 HZ) ELECTRIC FIELD	1214
PERSONNEL EXPOSED TO EXTREMELY LOW	FREQUENCY (ELF) EM FIELDS	2298
LIT. ABSTRACTS ON EXTREMELY LOW	FREQUENCY (ELF) EM FIELDS	1670
EXTRA LOW	FREQUENCY (ELF) EMR AS A BIOCOMMUNICATIONS MEDIUM: A PROTEIN TRANS	1757
EFFECT OF LOW ENERGY, EXTREMELY LOW	FREQUENCY (ELF) EMR ON OPERANT BEHAVIOR IN THE PIGEON AND THE RAT	1787
EXTREMELY LOW	FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH	

EXTREMELY LOW	FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRADIAT	1788
EFFECT OF AN EM FIELD OF EXTRA-HIGH	FREQUENCY (IN RUSSIAN WITH ENGLISH SUMMARY)	0591
BIOMEDICAL EVALUATION OF LOW	FREQUENCY (LONG WAVE) EMR ASSOCIATED WITH ELECTRIC POWER TRANSMISS	1195
Y OF THE ACTION OF EMR OF VERY HIGH	FREQUENCY (RADAR) ON THE CENTRAL NERVOUS SYSTEM OF THE WHITE RAT	2628
ACTION PHENOMENA BETWEEN INDUSTRIAL	FREQUENCY AC (50 HZ) FIELD AND THE ORGANISM OF A HUMAN AND AN ANIM	0165
OF THE EXCITATORY ACTION OF MIDDLE	FREQUENCY ALTERNATING CURRENT	2320
LOW	FREQUENCY ALTERNATING MAGNETIC FIELD IN THE TREATMENT OF PATIENTS	0278
OF AN ELECTRIC FIELD OF COMMERCIAL	FREQUENCY AND DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF	2808
TANDARD C95.1 FOR EXPOSURE TO RADIO	FREQUENCY AND MICROWAVE RADIATIONS	1789
	FREQUENCY AND ORIENTATION EFFECTS ON WHOLE ANIMAL ABSORPTION OF EM	1335
	FREQUENCY AND POLARIZATION EFFECTS ON WHOLE ANIMAL ABSORPTION OF R	3556
INTERACTION OF MICROWAVE	FREQUENCY AND POLARIZATION WITH ANIMAL SIZE	2196
PULSED HIGH	FREQUENCY AND ROUTINE HOSPITAL ANTIBIOTIC THERAPY IN THE MANAGEMEN	1809
EXTREMELY LOW	FREQUENCY ANTENNA OPERATION: TESTS FOR POSSIBLE IMPACT ON FIVE NAT	1765
ADCAST SATELLITE IN THE 620-790 MHZ	FREQUENCY BAND	2323
G UNDER THE EFFECT OF VARIOUS RADIO	FREQUENCY BANDS	2007
OLOGICAL RESEARCH FOR EXTREMELY LOW	FREQUENCY COMMUNICATIONS SYSTEMS	1683
CROWAVE DIATHERMIES AND PULSED HIGH	FREQUENCY CURRENT	2087
LTANEOUS APPLICATION OF PULSED HIGH	FREQUENCY CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA CELLS	1281
CONCERNING THE APPLICATION OF HIGH-	FREQUENCY CURRENTS UPON LIVING ORGANISMS	1822
	FREQUENCY DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN	0981
	FREQUENCY DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN	3559
DISTRIBUTION AND	FREQUENCY DEPENDENCE OF INCIDENTIAL MAN-MADE HF/VHF NOISE IN METRO	3179
THE	FREQUENCY DEPENDENCE OF THE KERR EFFECT FOR SUSPENSIONS OF RIGID P	1732
LOW	FREQUENCY DIELECTRIC DISPERSION OF BIOLOGICAL TISSUES	0380
POLAR	FREQUENCY DISCRIMINATORS	1722
ORIENTATION AND	FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF MICROWAVES--LETHAL	2378
POLARIZATION AND	FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF RF ENERGY	0780
LAB. SIMULATION OF EXTREMELY LOW	FREQUENCY ELECTRIC AND MAGNETIC FIELDS	1672
ND ATLANTIC SALMON OF EXTREMELY LOW	FREQUENCY ELECTRIC AND MAGNETIC FIELDS	1783
EXTREMELY LOW	FREQUENCY ELECTRIC AND MAGNETIC FIELDS IN DOMESTIC BIRDS	3134
EFFECTS OF EXTREMELY LOW	FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA	0863
LACK OF EFFECT OF EXTREMELY LOW	FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA	1171
INFLUENCE OF EXTREMELY LOW	FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, A	1786
SUPER-HIGH	FREQUENCY ELECTRIC FIELD AND CRUSTACEAN GANGLIONIC DISCHARGES	1942
ROBES FOR MEASURING THE LOCAL RADIO	FREQUENCY ELECTRIC FIELD IN BIOLOGICAL SYSTEMS	1726
EXTREMELY LOW	FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRA	1782
LOW	FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN THE SHAPE AND MOTILITY	0813
E FOR THE MEASUREMENT OF INDUSTRIAL	FREQUENCY ELECTRIC FIELD INTENSITY	1935
THE EFFECT OF LOW	FREQUENCY ELECTRIC FIELD ON ANAPHYLACTIC SHOCK AND ANTIBODY PRODUC	1937
THE LETHAL EFFECTS OF A HIGH	FREQUENCY ELECTRIC FIELD ON ESCHERICHIA COLI	3470
NT IN DOGS EXPOSED TO EXTREMELY LOW	FREQUENCY ELECTRIC FIELDS	0865
OIL MICROORGANISMS TO EXTREMELY LOW	FREQUENCY ELECTRIC FIELDS	1761
AMPLITUDE-MODULATED, VERY HIGH	FREQUENCY ELECTRIC FIELDS	2419
MODELS, PART I (THE EFFECTS OF LOW	FREQUENCY ELECTRIC FIELDS ON AMOEBAE AND THEIR USES AS TOOLS FOR S	0636
EFFECTS OF LOW LEVEL, LOW	FREQUENCY ELECTRIC FIELDS ON HUMAN REACTION TIME	1032
ONTINUOUS EXPOSURE TO EXTREMELY LOW	FREQUENCY ELECTRIC FIELDS ON RATS	1421
FFECT OF CONTINUOUS EXPOSURE TO LOW	FREQUENCY ELECTRIC FIELDS ON THREE GENERATIONS OF MICE: A PILOT ST	0674
ON THE INFLUENCE OF EXTREMELY LOW	FREQUENCY ELECTRIC PROCESSES IN THE ATMOSPHERE OF MAN (IN GERMAN)	2624
ON THE INFLUENCE OF EXTREMELY LOW	FREQUENCY ELECTRIC PROCESSES IN THE ATMOSPHERE OF THE WORLD (IN GE	2625
EFFECTS OF LOW	FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS	0864
EFFECTS OF LOW	FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS	3276
TION OF CONVULSIONS IN RATS BY HIGH	FREQUENCY ELECTRICAL CURRENTS	1991
NFLUENCE ON VISION OF EXTREMELY LOW	FREQUENCY ELECTROMAGNETIC FIELDS	0353
RING CHRONIC EXPOSURE TO SUPER-HIGH	FREQUENCY ELECTROMAGNETIC FIELDS	2553
CES DURING THE ACTION OF SUPER-HIGH	FREQUENCY ELECTROMAGNETIC FIELDS	2560
S OF HIGH, ULTRAHIGH, AND SUPERHIGH	FREQUENCY ELECTROMAGNETIC FIELDS	3109
EFFECTS OF EXTREMELY LOW	FREQUENCY ELECTROMAGNETIC FIELDS ON PHYSARUM POLYCEPHALUM	3147
BIOEFFECTS OF EXTREMELY LOW	FREQUENCY ELECTROMAGNETIC FIELDS	0149
OF EXTREMELY LOW	FREQUENCY ELECTROMAGNETIC FIELDS	0152
NE OF RATS UNDER THE ACTION OF HIGH	FREQUENCY ELECTROMAGNETIC FIELDS	0231
L INTESTINE OF RATS EXPOSED TO HIGH	FREQUENCY ELECTROMAGNETIC FIELDS. (IN RUS.)	0146
ARCH NEEDS FOR ESTABLISHING A RADIO	FREQUENCY ELECTROMAGNETIC RADIATION SAFETY STANDARD	2915
ULTRAHIGH	FREQUENCY ELECTROMAGNETIC RADIATION UTILIZED FOR AQUATIC VEGETATIO	3119
BIOLOGICAL ACTION OF SUPERHIGH	FREQUENCY ELECTROMAGNETIC WAVES	3252

SERVATIONS OF THE EFFECT OF A HIGH-	FREQUENCY EM FIELD IN VIVO AND IN VITRO	2577
THE EFFECT OF THE PULSE ULTRAHIGH	FREQUENCY EM FIELD ON THE SERUM CHOLESTEROL CONTENT OF RABBITS	0693
THE EFFECTS OF LOW	FREQUENCY EM FIELD PULSES ON SKELETAL MUSCLE METABOLISM IN THE RAT	2048
ANTOM MODELS OF MAN EXPOSED TO HIGH	FREQUENCY EM FIELDS	1740
EXPOSED TO INDUSTRIAL AND SUPERHIGH	FREQUENCY EM FIELDS	2806
FROM OCCUPATIONAL EXPOSURE TO HIGH	FREQUENCY EM FIELDS (IN ITALIAN)	2395
POLLUTION CAUSED BY HIGH	FREQUENCY EM FIELDS (IN ITALIAN)	2396
THE EFFECTS OF SUPERHIGH	FREQUENCY EM FIELDS (SHF-EMF) ON THE BODY	1477
R ABSORPTION IN MAN EXPOSED TO HIGH	FREQUENCY EM FIELDS BY THERMOGRAPHIC MEASUREMENTS ON SCALE MODELS	1246
NGED EXPOSURE TO WEAK EXTREMELY LOW	FREQUENCY EM FIELDS IN NATURE	1108
OF ULTRASONIC SOUND AND SUPER HIGH-	FREQUENCY EM FIELDS IN THE THREE-CENTIMETER RANGE	2051
ION OF THE EFFECTS OF EXTREMELY LOW	FREQUENCY EM FIELDS ON FREE FLYING MIGRANT BIRDS	1756
EFFECTS OF EXTREMELY LOW	FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLY	1030
EFFECTS OF EXTREMELY LOW	FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLY	1753
HIGH	FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELECTRIC	1293
NTAL STUDY OF EFFECTS OF INDUSTRIAL	FREQUENCY EM FIELDS ON REPRODUCTIVE FUNCTION	2580
IMPACT OF EXTREMELY LOW	FREQUENCY EM FIELDS ON SOIL ARTHROPODS	1759
IMPACT OF EXTREMELY LOW	FREQUENCY EM FIELDS ON SOIL ARTHROPODS IN NATURE	1766
IMPACT OF EXTREMELY LOW	FREQUENCY EM FIELDS ON SOIL ARTHROPODS. ONGOING STUDIES AT THE PR	1689
INFLUENCE OF LOW	FREQUENCY EM FIELDS ON THE TOXINE GENERATING POTENTIAL OF THE TETA	1998
BODY UNDER THE EFFECT OF SUPER-HIGH	FREQUENCY EM FIELDS UNDER THE CONDITIONS OF DIFFERENT ULTRAVIOLET	2715
OF THE INTERACTION OF EXTREMELY LOW	FREQUENCY EM FIELDS WITH BRAIN ORGANELLES	0799
SIOLOGICAL EFFECTS OF EXTREMELY LOW	FREQUENCY EM FIELDS: A REVIEW	0935
IOLOGICAL EFFECTS OF STATIC AND LOW	FREQUENCY EM FIELDS: AN OVERVIEW OF UNITED STATES LITERATURE	2393
SANGUINE EXTREME LOW	FREQUENCY EM FIELDS: EFFECT OF LONG- TERM EXPOSURE ON SOIL ARTHROP	2160
SANGUINE/SEAFARER EXTREMELY LOW	FREQUENCY EM FIELDS: EFFECT OF LONG-TERM EXPOSURE ON SOIL ARTHROPO	1769
EFFECT OF SUPER-HIGH	FREQUENCY EM IRRADIATION ON THE ELECTROPHORETIC MOBILITY OF ERYTHR	2593
BIOLOGICAL IMPACTS OF EXTREMELY LOW	FREQUENCY EM RADIATIONS ASSOCIATED WITH THE NAVY SEAFARER COMMUNIC	1885
BIOLOGICAL ACTION OF SUPERHIGH	FREQUENCY EM WAVES	1483
ON THE ANIMAL ORGANISM BY SUPERHIGH	FREQUENCY EM WAVES AND A GAS MIXTURE WITH A LOW OXYGEN CONTENT	2029
USE OF HIGH	FREQUENCY EM WAVES IN THE STUDY OF THERMOGENESIS	1110
ACTION OF LOCAL VIBRATION AND HIGH-	FREQUENCY EMR (IN RUSSIAN)	2073
LOW	FREQUENCY EMR AND GENETIC ABERRATIONS	1791
EXTREMELY LOW	FREQUENCY EMR BIOLOGICAL RESEARCH	0972
EFFECT OF EXTREMELY LOW	FREQUENCY EMR ON CHROMOSOMES	2550
INFLUENCE OF HIGH	FREQUENCY EMR ON THE SENSITIVITY TO PENTETRAZOL OF THE WHITE MOUSE	0862
ARCH NEEDS FOR ESTABLISHING A RADIO	FREQUENCY EMR SAFETY STANDARD	0633
ARCH NEEDS FOR ESTABLISHING A RADIO	FREQUENCY EMR SAFETY STANDARD'	1800
AUDITORY SYSTEM RESPONSE TO RADIO	FREQUENCY ENERGY	1035
ECT OF MEAT TREATED WITH SUPER-HIGH	FREQUENCY ENERGY INFRARED RAYS ON THE SECRETORY FUNCTION OF THE ST	2701
EFFECTS OF MICROWAVE AND RADIO	FREQUENCY ENERGY ON THE CENTRAL NERVOUS SYSTEM	1538
RADIO	FREQUENCY ERADICATION OF TUMOURS	2230
VIA THE TWO-LOOP METHOD USING SWEPT	FREQUENCY EXCITATION - UCRL-51266	3049
VARIABLE	FREQUENCY EXPOSURE SYSTEM FOR SMALL BIOLOGICAL SPECIMENS	1265
R THE CHRONIC EFFECT OF A SUPERHIGH	FREQUENCY FIELD	1938
T FROG DURING EXPOSURE TO SUPERHIGH	FREQUENCY FIELD	2809
ON THE EFFECT OF THE ULTRAHIGH	FREQUENCY FIELD ON CERTAIN PATHOGENIC MICROORGANISMS	1506
THE EFFECT OF AN ULTRA-HIGH	FREQUENCY FIELD ON THE FUNCTIONS OF THE NERVOUS SYSTEM	2025
THE EFFECT OF A SUPER-HIGH	FREQUENCY FIELD ON THE PHYSICAL TRAINING OF EXPERIMENTAL ANIMALS	1869
ED DURING LONG EXPOSURE TO EM RADIO	FREQUENCY FIELDS	1343
PONSE CHARACTERISTICS TO ULTRA-HIGH	FREQUENCY FIELDS	1562
PEARL CHAIN FORMATION ACROSS RADIO	FREQUENCY FIELDS	1730
HAZARDS CAUSED BY HIGH POWER, HIGH	FREQUENCY FIELDS	2979
CARDIAC PACEMAKER EXPOSURE TO RADIO	FREQUENCY FIELDS AND ELECTRIC SHOCK	0527
ONNEL HAZARD ASSOCIATED WITH RADIO-	FREQUENCY FIELDS ENCOUNTERED IN NAVAL OPERATIONS	2573
EFFECTS OF SUPERHIGH	FREQUENCY FIELDS OF DIFFERENT INTENSITY ON THE BALANCE AND METABOL	1505
EFFECT OF SUPERHIGH	FREQUENCY FIELDS OF HIGH INTENSITIES ON THE BLOOD COAGULATION SYST	1480
BIOLOGICAL EFFECT OF ULTRA-HIGH	FREQUENCY FIELDS OF VARIED INTENSITY	2870
IN STUDYING THE EFFECT OF SUPERHIGH	FREQUENCY FIELDS ON BIOLOGICAL SUBJECTS	3064
EFFECTS OF WEAK LOW	FREQUENCY FIELDS ON CALCIUM EFFLUX FROM CHICK AND CAT CEREBRAL TIS	2727
HAZARDS CAUSED BY HIGH POWER, HIGH	FREQUENCY FIELDS, VOL. 1	1424
HAZARDS CAUSED BY HIGH POWER, HIGH	FREQUENCY FIELDS, VOL. 1	3519
HAZARDS CAUSED BY HIGH POWER, HIGH	FREQUENCY FIELDS, VOL. 2	1425
HERMAL HAZARDS OF EXPOSURE TO RADIO	FREQUENCY FIELDS. MICROWAVE STUDIES	0967
N OF AN OPTIMUM MICROWAVE DIATHERMY	FREQUENCY FOR A DIRECT CONTACT APPLICATOR	3284

A LOW	FREQUENCY	H-FIELD RADIATION MONITOR	2200
RADIO	FREQUENCY	HAZARDS ABOARD NAVAL SHIPS	1565
N OF WORKING CONDITIONS DURING HIGH	FREQUENCY	HEATING	1516
SS WITH ONCOLYSIS DUE TO LOCAL HIGH	FREQUENCY	HYPERTHERMIA, LOCAL X-IRRADIATION AND APATHOGENIC CLOSTR	0236
WORK WITH ULTRAHIGH	FREQUENCY	IMPULSE GENERATORS FROM THE POINT OF VIEW OF WORK HYGIEN	3441
NON-THERMAL EFFECTS OF RADIO	FREQUENCY	IN BIOLOGICAL SYSTEMS	0492
ON THE EFFECT OF	FREQUENCY	IN EM INTERACTIONS WITH BIOLOGICAL SYSTEMS	2543
THE ROLE OF	FREQUENCY	IN PRODUCING SPECIFIC BIOLOGICAL EFFECTS FROM MICROWAVES	2632
ON THE FORMATION OF TRIGLYCERIDES:	FREQUENCY	INFLUENCE	1130
TO THE CHRONIC EFFECT OF SUPERHIGH	FREQUENCY	IRRADIATION OF LOW INTENSITY	1481
YS IN THE PRESENCE OF EXTREMELY LOW	FREQUENCY	LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT	3274
ERATED BY INDUCTIVE VOLTAGES IN LOW	FREQUENCY	MAGNETIC FIELD GENERATORS	1210
PERCEPTION OF MODERATE STRENGTH LOW	FREQUENCY	MAGNETIC FIELDS	1657
PERCEPTION OF MODERATE STRENGTH LOW	FREQUENCY	MAGNETIC FIELDS	2813
THERAPEUTIC USE OF CONSTANT AND LOW	FREQUENCY	MAGNETIC FIELDS (LITERATURE REVIEW)	0218
THE EFFECT OF EXTREMELY LOW	FREQUENCY	MAGNETIC FIELDS ON HUMAN PERFORMANCE: A PRELIMINARY STUD	1322
OTP/OT	FREQUENCY	MANAGEMENT MEETING ON MEASUREMENTS/ MONITORING, NOTES ON	3511
MEASUREMENT AND ANALYSIS OF RADIO	FREQUENCY	NOISE IN URBAN, SUBURBAN, AND RURAL AREAS	3611
LATING WITH RECTANGULAR PULSES AT A	FREQUENCY	OF 10 HZ (IN GERMAN)	2646
ICROWAVES INDUCE AN INCREASE IN THE	FREQUENCY	OF COMPLEMENT RECEPTOR-BEARING LYMPHOID SPLEEN CELLS IN	2066
RELATIONSHIP BETWEEN THE	FREQUENCY	OF HYPERTONIC CRISES AND CHANGES OF THE SOLAR ACTIVITY A	2690
IMAL ABSORPTION ON POLARIZATION AND	FREQUENCY	OF RADIO-FREQUENCY ENERGY	1104
ONIC METHOD FOR MEASURING THE HEART	FREQUENCY	OF THE WATERFLEA: DAPHNIA PULEX	1720
NATING ELECTRIC FIELDS OF TECHNICAL	FREQUENCY	ON CHICKEN EMBRYOS	2351
OF EFFECT OF EM FIELD OF INDUSTRIAL	FREQUENCY	ON THE BODY	2713
EFFECTS OF EM ENERGY OF INDUSTRIAL	FREQUENCY	ON THE HUMAN AND ANIMAL NERVOUS SYSTEM	2711
NATING MAGNETIC FIELD OF INDUSTRIAL	FREQUENCY	ON THE THYROID GLAND FUNCTIONAL ACTIVITY AND 131 I-THYRO	3432
COMPLEX	FREQUENCY	PERTURBATION OF A MICROWAVE CAVITY CONTAINING A LOSSY LI	1802
MICROWAVE INSTRUMENTATION BASED ON	FREQUENCY	PERTURBATION TECHNIQUES	2936
ND EXPERIMENTAL ABSORPTION OF RADIO	FREQUENCY	POWER	1684
RADIO	FREQUENCY	POWER MEASUREMENTS	3296
THE INFLUENCE OF SUPER-HIGH	FREQUENCY	PULSED ELECTROMAGNETIC FIELD ON CONCEPTION AND THE COURS	2875
OF THE BIOLOGICAL EFFECT OF A LOW-	FREQUENCY	PULSED ELECTROMAGNETIC FIELD	3245
ES OF RABBITS EXPOSED TO SUPER-HIGH	FREQUENCY	RADIATION	0963
HAZARDS OF HIGH	FREQUENCY	RADIATION	1001
OF LIVER MITOCHONDRIA ON SUPERHIGH	FREQUENCY	RADIATION	1403
NE MARROW IN RESPONSE TO SUPER-HIGH	FREQUENCY	RADIATION	1484
ISTICS OF MICROWAVE AND OTHER RADIO	FREQUENCY	RADIATION	1522
PLE OCCUPATIONALLY EXPOSED TO RADIO	FREQUENCY	RADIATION	1532
CTIVITY ASSOCIATED WITH PULSED HIGH	FREQUENCY	RADIATION (27.12MHZ)	2203
RFORMED WITHIN THE RANGE OF EM HIGH	FREQUENCY	RADIATION (IN POLISH)	2018
ASSUMED SYNERGISTIC EFFECT OF RADIO	FREQUENCY	RADIATION AND IONIZING RADIATION ON THE HUMAN ORGANISM	0228
BIOLOGICAL EFFECTS OF RADIO	FREQUENCY	RADIATION BIBLIOGRAPHY	0608
USA STANDARD RADIO	FREQUENCY	RADIATION HAZARD WARNING SYMBOL	3627
RADIO	FREQUENCY	RADIATION HAZARDS	0554
AL STANDARDS C95 COMMITTEE ON RADIO	FREQUENCY	RADIATION HAZARDS	2274
SURVEY OF RADIO	FREQUENCY	RADIATION HAZARDS	3466
SURVEY OF RADIO	FREQUENCY	RADIATION HAZARDS	3541
SURVEY OF RADIO	FREQUENCY	RADIATION HAZARDS	3572
SURVEY OF RADIO	FREQUENCY	RADIATION HAZARDS	3573
Y GUIDE FOR THE PREVENTION OF RADIO	FREQUENCY	RADIATION HAZARDS IN THE USE OF ELECTRIC BLASTING CAPS	3131
N ENGINEERING TEST PROCEDURE: RADIO	FREQUENCY	RADIATION HAZARDS TO PERSONNEL	2605
RADIO	FREQUENCY	RADIATION HAZARDS TO PERSONNEL AT FREQUENCIES BELOW 30 M	1549
THE INFLUENCE OF SUPERHIGH	FREQUENCY	RADIATION ON BRAIN MITOCHONDRIAL OXIDATIVE PHOSPHORYLATI	1404
THE EFFECTS OF NON-THERMAL RADIO	FREQUENCY	RADIATION ON HUMAN LYMPHOCYTES IN VITRO	0692
INTERACTION OF MICROWAVE AND RADIO	FREQUENCY	RADIATION WITH BIOLOGICAL SYSTEMS	1523
INTERACTION OF MICROWAVE AND RADIO	FREQUENCY	RADIATION WITH MOLECULAR SYSTEMS	1533
OF LAB. PERSONNEL TO RADAR AND HIGH	FREQUENCY	RADIO	0468
ES ON THE BIOLOGICAL EFFECT OF HIGH	FREQUENCY	RADIO WAVES (RADAR)	0476
ES ON THE BIOLOGICAL EFFECT OF HIGH	FREQUENCY	RADIO. WAVES (RADAR)	3330
QUENCY AND MICROWAVE DEVICES IN THE	FREQUENCY	RANGE 10 MHZ - 300 GHZ	0284
ICROWAVE RADIATION EXPOSURES IN THE	FREQUENCY	RANGE OF 2608.7-3082.3 MC	3220
S FROM ALTERNATING EM FIELDS IN THE	FREQUENCY	RANGE OF 3 KHZ TO 3000 GHZ (IN GERMAN)	2621
CTOMAGNETIC FIELD IN THE SUPER HIGH	FREQUENCY	RANGE ON THE COURSE OF ALLERGIC REACTIONS OF THE DELAYED	0317
ELECTROMAGNETIC FIELD OF ULTRA HIGH	FREQUENCY	RANGE ON THE COURSE OF SLOW ALLERGIC REACTIONS. (IN RUSS	0344

SYNTHESIS OF FREQUENCY RESPONSE OF ELECTRIC FIELD PROBES 2217
G INSECTS WITH MICROWAVES AND LOWER FREQUENCY RF ENERGY 0791
BILITIES USING MICROWAVES AND LOWER FREQUENCY RF ENERGY 2285
USE OF MICROWAVE AND LOWER FREQUENCY RF ENERGY FOR IMPROVING ALFALFA SEED GERMINATION 0848
DERAL GOVERNMENT'S USE OF THE RADIO FREQUENCY SPECTRUM 3174
DENTATE GYRUS FOLLOWING BRIEF HIGH FREQUENCY STIMULATION 2857
USE OF SUPER-HIGH FREQUENCY TO HEAT UP DEEP-FROZEN ERYTHROCYTES (IN RUSSIAN) 2723
OF BIOLOGICAL EFFECTS DURING RADIO FREQUENCY TRANSMISSION 2940
ALES OF DORSOPHILA INDUCED BY RADIO FREQUENCY TREATMENT 0538
TRANSIENT RESPONSE OF LOW FREQUENCY VERTICAL ANTENNAS TO HIGH ALTITUDE NUCLEAR ELECTROMAGNET 3098
EXTREMELY LOW FREQUENCY VERTICAL, 45-HZ ELECTRIC FIELD EXPOSURE OF RATS: A SEARC 0957
ROLLED CAVITY APPLICATOR FOR RADIO- FREQUENCY WAVE IRRADIATION OF MAMMALIAN CELLS IN VITRO 0256
BIOLOGICAL EFFECTS OF RADIO FREQUENCY WAVES 0309
TING ELECTRICAL FIELD OF INDUSTRIAL FREQUENCY WITH THE HUMAN AND ANIMAL BODY 3411
EE-PHASE EVALUATION OF PULSED, HIGH FREQUENCY , RADIO SHORT WAVES (DIAPULSE). 646 PATIENTS 1823
EXTREMELY LOW FREQUENCY , WEAK ELECTRIC FIELDS AFFECT SCHEDULE-CONTROLLED BEHAVIO 1169
FREQUENCY-DEPENDENT CHANGES IN THE CARDIAC SARCOLEMMAL ATPASE 1841
YS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 1 0764
YS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2 0765
YS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 3 0766
US MONKEYS EXPOSED TO EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC FIELDS 1212
ENATAL EXPOSURE TO AN EXTREMELY LOW FREQUENCY-LOW INTENSITY ROTATING MAGNETIC FIELD AND INCREASES IN T 0667
ZONAL HARMONICS IN LOW FREQUNCY TERRESTRAIL KADIO WAVE PROPAGATION 3569
ON THE FRESNEL APPROXIMATION 3293
NSER ON THE OPTIC PROPERTIES OF THE FROG CARDIAC MUSCLE (IN RUSSIAN) 1398
TROGRAMS OF THE HEART OF THE INTACT FROG DURING EXPOSURE TO SUPERHIGH FREQUENCY FIELD 2809
OF RNA AND PROTEIN SYNTHESIS IN THE FROG ERYTHROCYTE 1808
E OF HEART-RATE EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY 1804
E OF HEART-RATE EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY 3390
THE INSENSITIVITY OF FROG HEART RATE TO PULSE MODULATED MICROWAVE ENERGY 0844
E PLACEMENT ON STIMULATION OF ADULT FROG LIMB REGENERATION 2239
FFECT OF MICROWAVE RADIATION ON THE FROG SCIATIC NERVE 3192
TENEBRIO MOLITOR AND HEART RATE IN FROG TO THE INCIDENCE OF LOW LEVEL MICROWAVES 1206
IN IMPEDANCE OF THE NERVE STEM OF A FROG UNDER THE ACTION OF VISIBLE LIGHT 3443
: HEART RATE AND MYOTATIC REFLEX OF FROGS 1607
D INHIBITS EMBRYONIC DEVELOPMENT OF FROGS 2115
ILITY OF THE MUCOUS MEMBRANE OF THE FRONTAL SINUS UNDER THE INFLUENCE OF MICROWAVES 1302
AVE THAWING TO THE RECOVERY OF DEEP FROZEN CELLS AND ORGANS: A REVIEW 0680
EM THAWING OF FROZEN GRANULOCYTES FOR TRANSFUSION 1005
FISH MUSCLE IN THE FROZEN STATE: TIME DEPENDENCE OF ITS MICROWAVE DIELECTRIC PROPERTI 0901
NORMAL DEVELOPMENT OF THE FRUITFLY DROSOPHILA IN VLF MAGNETIC FIELDS (IN GERMAN) 2071
OUT OF THE FRYING PAN 3321
POLARIZATION OF FUCOID EGGS BY STEADY ELECTRICAL FIELDS 0643
MAGNETIC FIELDS AND NERVE FUNCTION 0842
INTERFERENCE WITH CARDIAC PACEMAKER FUNCTION 2028
LOW INTENSITY MICROWAVES ON NERVOUS FUNCTION 2512
FREQUENCY EM FIELDS ON REPRODUCTIVE FUNCTION 2580
REPRODUCTIVE FUNCTION 2871
NEURAL FUNCTION AND BEHAVIOR: DEFINING THE RELATIONSHIP 1095
EFFECTS OF MICROWAVES ON THE FUNCTION AND STRUCTURE OF HEPATIC AND RENAL MITOCHONDRIA 1511
EFFECT OF MICROWAVES ON CELL FUNCTION AND VIRUS REPLICATION IN CELL CULTURES IRRADIATED IN VITR 1077
F EM WAVES ON SOME INDICES OF RENAL FUNCTION AND WATER-SALT METABOLISM (IN RUSSIAN) 1629
THE LOG-NORMAL FUNCTION AS A STOCHASTIC MODEL OF THE DISTRIBUTION OF STRONTIUM-90 3178
BIOLOGICAL FUNCTION AS INFLUENCED BY LOW POWER MODULATED RF ENERGY 0593
THE ATTENUATION FUNCTION FOR BIOLOGICAL FLUIDS AT MILLIMETER AND FAR-INFRARED WAVE 2195
CALCULATION OF THE DISTRIBUTION FUNCTION FOR THE DIAMETERS OF THIN-WALLED SPHERES ON THE BASIS OF 1475
EVALUATION OF LYMPHOCYTE FUNCTION IN MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES 0279
ENT MINERAL WATER ON THE PANCREATIC FUNCTION IN PATIENTS WITH CHRONIC COLITIS (IN RUSSIAN) 1835
IRRADIATION ON THYROID AND ADRENAL FUNCTION IN RATS 3214
ENDOCRINE FUNCTION IN RHESUS MONKEYS EXPOSED TO PULSED MICROWAVE RADIATION 0254
ISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN THE VICINITY OF A TELEVISION TRANSMITTER 2004
GONADIC FUNCTION IN WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES 1318
ABSORPTION AND TASTE AVERSION AS A FUNCTION OF 915 MHZ RADIATION 2660
MICROWAVE INTERFERENCE WITH THE FUNCTION OF AN IMPLANTED CARDIAC PACEMAKER 0260
DISTURBANCES IN THE FUNCTION OF CARDIAC PACEMAKER CAUSED BY SHORT WAVE AND MICROWAVE D 2087

INDUCTOTHERMY ON THE ADRENOCORTICAL	FUNCTION OF CHILDREN WITH BRONCHIAL ASTHMA	0282
XIC HEPATITIS AND MICROWAVES ON THE	FUNCTION OF HEPATIC AND RENAL MITOCHONDRIA	1503
CE OF ELECTROMAGNETIC FIELDS ON THE	FUNCTION OF PACEMAKERS. (IN CZE)	0356
CROWAVE RADIATION ON MORPHOLOGY AND	FUNCTION OF RAT TESTIS	2893
E DIELECTRIC CONSTANT OF WATER AS A	FUNCTION OF TEMPERATURE AND PRESSURE	3200
GLUCOCORTICOID	FUNCTION OF THE ADRENALS IN RADIOWAVE SICKNESS	1443
THETER FIBRILLATION THRESHOLDS AS A	FUNCTION OF THE DURATION OF 60 HZ CURRENT AND ELECTRODE AREA	1520
DIATION ON CHANGES IN THE SECRETORY	FUNCTION OF THE HYPOTHALAMUS AND CERTAIN ENDOCRINE GLANDS	1450
VARIATIONS OF THE NEUROSECRETORY	FUNCTION OF THE HYPOTHALAMUS AND NEUROHYPOPHYSIS AS A RESULT OF CH	1352
ERGY INFRARED RAYS ON THE SECRETORY	FUNCTION OF THE STOMACH (IN RUSSIAN)	2701
OF MICROWAVES ON THE MORPHOLOGY AND	FUNCTION OF THE THYROID GLAND (IN POLISH)	1923
METABOLIC DISORDERS AND THE LIVER	FUNCTION UNDER THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD	1514
RIAL FREQUENCY ON THE THYROID GLAND	FUNCTIONAL ACTIVITY AND 131 I-THYROXIN BINDING BY TISSUES OF ALBIN	3432
FECTS OF MILLIMETER-BAND EMR ON THE	FUNCTIONAL ACTIVITY OF CERTAIN GENETIC ELEMENTS OF BACTERIAL CELLS	2302
THE DEPENDENCE OF THE	FUNCTIONAL ACTIVITY OF LIVER MITOCHONDRIA ON SUPERHIGH FREQUENCY R	1403
IN MOUSE BRAIN: METHODOLOGICAL AND	FUNCTIONAL ASPECTS	2527
REDUCTION OF	FUNCTIONAL CAPACITIES OF THE HEART UNDER CONDITIONS OF EFFECT OF E	2713
	FUNCTIONAL CHANGES IN HEALTHY HUMANS EXPOSED TO LOW- INTENSITY MIC	2262
E DECIMETER WAVELENGTH RANGE ON THE	FUNCTIONAL CONDITION OF VARIOUS AREAS OF THE CENTRAL NERVOUS SYSTE	1348
BRAIN EVOKED POTENTIALS ARE	FUNCTIONAL CORRELATES OF INDUCED PAIN IN MAN	0138
LLY EXPOSED TO MICROWAVES, PART II:	FUNCTIONAL DISTURBANCES	0797
	FUNCTIONAL ELECTRICAL STIMULATION	0078
TIONS, CALORIMETRIC, DOSIMETRY, AND	FUNCTIONAL EVALUATION	1713
ORPTION OF MICROWAVE RADIATION WITH	FUNCTIONAL IMPLICATIONS	1022
S REGIONS OF THE RADIO BAND ON SOME	FUNCTIONAL INDICES IN WORKERS	1482
INFLUENCE OF MICROWAVE EXPOSURE ON	FUNCTIONAL MATURATION OF THE RAT	2706
	FUNCTIONAL RELATIONSHIP OF THE ATMOSPHERIC SPECTRUM OF ELECTRICAL	2724
ATTEMPT AT EVALUATION OF THE	FUNCTIONAL STATE OF BRAIN SYNAPSES IN RABBITS EXPOSED CHRONICALLY	1947
ENT AND CONTINUOUS RADIATION ON THE	FUNCTIONAL STATE OF THE ADRENAL MEDULLA	1448
ICROWAVE IRRADIATION ON THE INITIAL	FUNCTIONAL STATE OF THE CNS	1459
ENT AND CONTINUOUS RADIATION ON THE	FUNCTIONAL STATE OF THE HYPOTHALAMIC-HYPOPHYSIS-ADRENAL CORTEX SYS	1447
EFFECT OF MICROWAVES ON THE	FUNCTIONAL STATE OF THE NERVE	1941
	FUNCTIONAL STIMULATION OF THE SPINAL CORD IN MULTIPLE SCLEROSIS	0069
ON THE IMMUNE SYSTEM IN MICE. II.	FUNCTIONAL STUDIES	2350
MICROWAVE IRRADIATION AND ENDOCRINE	FUNCTIONS	1275
DS ON SOME INDICES OF PHYSIOLOGICAL	FUNCTIONS AND METABOLIC PROCESSES IN WHITE RATS	2493
CHANGES IN THE	FUNCTIONS OF THE INTERNAL ORGANS OF PERSONNEL OPERATING MICROWAVE	2263
N ULTRA-HIGH FREQUENCY FIELD ON THE	FUNCTIONS OF THE NERVOUS SYSTEM	2025
CHANGES IN	FUNCTIONS OF VARIOUS SYSTEMS OF THE ORGANISM UNDER EXPOSURE TO HIG	2257
CHANGES IN	FUNCTIONS OF VARIOUS SYSTEMS OF THE ORGANISM UNDER THE INFLUENCE O	2260
EFFECTS OF	FUSIMOTOR STIMULATION ON THE SENSITIVITY OF THE MUSCLE SPINDLE SEC	2641
AGNETIC EFFECTS: A CONSIDERATION IN	FUSION REACTOR DEVELOPMENT	1638
THE LEVELS OF	GABA IN MOUSE BRAIN FOLLOWING TISSUE INACTIVATION BY MICROWAVE IRR	2053
CIUM AND AN AMINO ACID TRANSMITTER (	GABA) FROM BRAIN TISSUE	1989
INTERNAL CURRENT	GAIN IN MICROWAVE-BIASED GALLIUM-DOPED SILICON 8-14 MM IR DETECTOR	3354
ABSOLUTE	GAIN MEASUREMENTS FOR HORN ANTENNAS	3291
DISCUSSION OF ERRORS IN	GAIN MEASUREMENTS OF STANDARD ELECTROMAGNETIC HORNS	3568
A PROGRAM FOR CALCULATION NEAR-ZONE	GAIN OF PYRAMIDAL HORN ANTENNAE, BRH/DEP N71-3	3041
DESIGN OF MICROWAVE	GAIN-STANDARD HORNS	3447
ITIVITY TO THE TRIIODOETHYL SALT OF	GALLIUM AND TO THE HEXAMETHYL IDONIUM SALT ON THE WHITE RAT (IN FR	0861
AL CURRENT GAIN IN MICROWAVE-BIASED	GALLIUM-DOPED SILICON 8-14 MM IR DETECTORS	3354
	GALLOPING OF PACEMAKER DURING HIGH-FREQUENCY THERAPY (IN GERMAN)	2586
THE STUDY OF ICE AND WIND LOADINGS,	GALLOPING , VIBRATION AND SUB-SPAN OSCILLATION OF CONDUCTORS AND QU	3592
RESPONSE OF	GALLUS CHICKS TO ELECTROSTATIC FIELDS	2696
D BIOCHEMISTRY OF THE CHICK EMBRYO,	GALLUS DOMESTICUS	0099
	GALVANOTROPIC ORIENTATION OF GOLDFISH (CARASSIUS AURATUS)	0516
OF RADIO-FREQUENCY ENERGY ON HUMAN	GAMMA GLOBULIN	2952
	GAMMA GLOBULIN, ACETYLCHOLINESTERASE, AND CHYMOTRYPSIN FOLLOWING R	1983
E-PROTECTION OF BACTERIA EXPOSED TO	GAMMA IRRADIATION	0995
THE EFFECTS OF COMBINED SHF AND	GAMMA IRRADIATION ON HEMOPOIESIS	1497
	GAMMA-AMINOBUTYRIC ACID METABOLISM IN RATS FOLLOWING MICROWAVE EXP	0482
PULSED HIGH FREQUENCY CURRENTS AND	GAMMA-RAYS TO CULTURED MELANOMA CELLS	1281
OTENTIAL OF NERVE CELLS OF ISOLATED	GANGLIA IN THE MOLLUSK /PLANORBIS CORNEUS/ UNDER THE INFLUENCE OF	1500
ON CULTURED CHICK EMBRYO TRIGEMINAL	GANGLIA	3267
EFFECT ON RABBIT SUPERIOR CERVICAL	GANGLION	1327

EFFECT ON RABBIT SUPERIOR CERVICAL	GANGLION	2436
ENCY THERMOCOAGULATION OF GASSERIAN	GANGLION AND ITS ROOTLETS FOR TRIGEMINAL NEURALGIA	1874
OF MICROWAVE RADIATION ON APLYSIAN	GANGLION CELLS	2421
ELECTROCOAGULATION OF GASSER'S	GANGLION IN TRIGEMINAL PAINS (IN SPANISH)	2859
UENCY ELECTRIC FIELD AND CRUSTACEAN	GANGLIONIC DISCHARGES	1942
S OF ELECTROMAGNETIC RADIATION FROM	GAP-TYPE SPARK DISCHARGES ON ELECTRIC POWER DISTRIBUTION LINES	3181
HE ELECTRICAL STRENGTH OF LARGE AIR	GAPS AND THE SELECTION OF LINE INSULATING CLEARANCES: THE SELECTI	3591
SUPERHIGH FREQUENCY EM WAVES AND A	GAS MIXTURE WITH A LOW OXYGEN CONTENT	2029
MAN IN A	GAS OF TACHYON MAGNETOELECTRIC DIPOLES-	0122
MAN IN A	GAS TACHYON MAGNETOELECTRIC DIPOLES - A NEW HYPOTHESIS. PT III: DE	0123
MAN IN A	GAS TACHYON MAGNETOLECTRIC DIPOLES- A NEW HYPOTHESIS. PT 1: A SUMM	0141
	GASEOUS EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA	3013
BIOLOGICAL EFFECTS OF	GASEOUS IONS (IN FRENCH)	2630
URE RESULTING FROM DIFFERENT SOURCE	GASES	1221
ELECTROCOAGULATION OF	GASSER 'S GANGLION IN TRIGEMINAL PAINS (IN SPANISH)	2859
RADIOFREQUENCY THERMOCOAGULATION OF	GASSERIAN GANGLION AND ITS ROOTLETS FOR TRIGEMINAL NEURALGIA	1874
DUODENAL-GASTRIC REFLUX AND SLOWED	GASTRIC EMPTYING BY ELECTRICAL PACING OF THE CANINE DUODENAL PACES	1840
YCLIC AMP AND CYCLIC GMP IN THE RAT	GASTRIC MUCOSA	2860
OLARIZATION OF THE NEURALLY BLOCKED	GASTRIC MUCOSA OF THE RAT	0623
	GASTROINTESTINAL MOTOR ACTIVITY FOLLOWING EXPOSURE TO A HIGH-FREQU	1853
CROWAVE RANGE, REPORT 2. METHODS OF	GAUGING ELECTRICAL PARAMETERS OF BIOLOGICAL INTEREST	3488
E OF ROTATING MAGNETIC FIELD OF 200	GAUSS ON SPLENECTOMIZED MICE (IN CZECHOSLOVAKIAN)	2709
POSURE TO MAGNETIC FIELDS (200-1200	GAUSS)	1109
S OF ALTERNATING MAGNETIC FIELD (12	GAUSS) ON TRANSPLANTED NEUROBLASTOMA	1797
COUPLING OF	GAUSSIAN EM PULSE INTO A MUSCLE-BONE MODEL OF BIOLOGICAL STRUCTURE	1124
MEMBRANE-BOUND ATP SYNTHESIS	GENERATED BY AN EXTERNAL ELECTRIC FIELD	0671
REDUCING THE AMBIENT ELECTRIC FIELD	GENERATED BY INDUCTIVE VOLTAGES IN LOW FREQUENCY MAGNETIC FIELD GE	1210
COCHLEAR MICROPHONICS	GENERATED BY MICROWAVE PULSES	1207
TEMPERATURE CHANGES	GENERATED BY MICROWAVE THERAPY IN THE THIGHS OF HUMAN SUBJECTS	1157
HOT SPOTS	GENERATED IN CONDUCTING SPHERES BY EM WAVES AND BIOLOGICAL IMPLICA	0803
ITIZED PHOTOOXIDATION AND MICROWAVE	GENERATED SINGLET OXIDATION	2046
AND EMI FROM THERAPEUTIC RADIATION	GENERATING MACHINES	2316
W FREQUENCY EM FIELDS ON THE TOXINE	GENERATING POTENTIAL OF THE TETANIC BACILLUS	1998
ULSE-CODE MODULATION AND CONTINUOUS	GENERATION	1365
POWER STATION: AN OPTION FOR POWER	GENERATION	2951
	GENERATION OF ACOUSTIC SIGNALS BY PULSED MICROWAVE ENERGY	0718
THE	GENERATION OF ACOUSTIC SIGNALS IN MATERIALS IRRADIATED WITH MICRO	2441
FREQUENCY ELECTRIC FIELDS ON THREE	GENERATIONS OF MICE: A PILOT STUDY	0674
A TECHNICIAN OPERATING A MICROWAVE	GENERATOR	0600
THE CORNEO-RETINAL POTENTIAL AS THE	GENERATOR OF ALPHA RHYTHM IN THE HUMAN ELECTROENCEPHALOGRAM	0731
GES IN LOW FREQUENCY MAGNETIC FIELD	GENERATORS	1210
UALS EXPOSED TO SUPERHIGH-FREQUENCY	GENERATORS	1980
NS OF PERSONNEL OPERATING MICROWAVE	GENERATORS	2263
USE OF OPTICAL QUANTUM	GENERATORS (LASERS) IN GYNECOLOGY (IN RUSSIAN)	1408
CARDIAC PULSE	GENERATORS AND EM INTERFERENCE	2041
VELOPMENT OF HYPERTHERMIA MICROWAVE	GENERATORS AND THERMOMETRY	2361
RK WITH ULTRAHIGH FREQUENCY IMPULSE	GENERATORS FROM THE POINT OF VIEW OF WORK HYGIENE	3441
ONS CONCERNING THE USE OF MAGNETRON	GENERATORS IN MICROWAVE BIOLOGICAL RESEARCH	0691
R FOR USE WITH HIGH POWER MICROWAVE	GENERATORS , (FDA) 73-8010, BRH/DEP 73-1	3039
LOW FREQUENCY EMR AND	GENETIC ABERRATIONS	1791
	GENETIC CONTINUITY AND METABOLIC REGULATION AS SEEN BY THE EFFECTS	1085
A NEW THEORY OF	GENETIC CONTINUITY AND METABOLIC REGULATION BASED ON THE PRE-EXIST	2986
AND 10-METER RADIO WAVES TO INDUCE	GENETIC DAMAGE IN DROSOPHILA MELANOGASTER	1168
TRACTS: NON-THERMAL RADIOWAVES AND	GENETIC DAMAGE IN DROSOPHILA MELANOGASTER	3621
NONTHERMAL	GENETIC EFFECTS OF RF	3226
THE FUNCTIONAL ACTIVITY OF CERTAIN	GENETIC ELEMENTS OF BACTERIAL CELLS	2302
LACK OF MICROBIAL	GENETIC RESPONSE TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ PULSED MICROWAV	0366
EVALUATION OF	GENETIC RISKS OF ENVIRONMENTAL CHEMICALS	3027
INFLUENCE OF MICROWAVES ON	GENETICAL PROCESSES OF ASPERGILLIUS NIDULANS	1140
GONAD DOSES AND	GENETICALLY SIGNIFICANT DOSE FROM DIAGNOSTIC RADIOL.: U. S., 1964	0986
WAVE THERAPY OF INFLAMMATION OF THE	GENITALS	2353
COMPUTER ACCESS TO	GEOGRAPHIC DISTRIBUTION OF THE POPULATION	3521
HEART ATTACKS AND	GEOMAGNETIC ACTIVITY	0328
FIELD AS REFERENCE FOR THE STUDY OF	GEOMAGNETIC DIRECTIONAL EFFECTS IN ANIMALS AND MAN	1023
	GEOMAGNETIC DISTURBANCE AND THE ORIENTATION OF NOCTURNALLY MIGRATI	1979

SEARCH FOR CORRELATION BETWEEN	GEOMAGNETIC DISTURBANCES AND MORTALITY	1229
ER SYSTEM DISTURBANCES DURING A K-8	GEOMAGNETIC STORM: AUGUST 4, 1972	3107
EVIDENCE THAT	GEOMAGNETIC VARIATIONS CAN BE DETECTED BY LORENZINIAN AMPULLAE	0404
ANENCEPHALUS, DRINKING WATER,	GEOMAGNITISM , AND COSMIC RADIATION	0005
AVES AT 2,456 AND 900 MEGACYCLES IN	GEOMETRICALLY COMPLEX SPECIMENS	3328
RMINATION OF EM FIELDS IN IRREGULAR	GEOMETRY	2197
HE EFFECT OF BODY MASS AND EXPOSURE	GEOMETRY	2736
OLOGICAL MEDIA OF COMPLEX IRREGULAR	GEOMETRY EXPOSED TO PLANE WAVE EMR	2670
UST 1972 SOLAR ACTIVITY AND RELATED	GEOPHYSICAL EFFECTS	3008
WALKER'S CARCINOMA OF THE RAT. (IN	GER .)	0136
EFFECTS OF WEAK MAGNETIC FIELDS ON	GERBIL SPONTANEOUS ACTIVITY	2122
	GERM-GAS ELECTRONIC DETECTORS NEEDED	0528
METER EMPLOYING THE HALL EFFECT IN	GERMANIUM	3307
F ENERGY FOR IMPROVING ALFALFA SEED	GERMINATION	0848
	GERMINATION AND EARLY GROWTH OF SUNFLOWERS IN WEAK ELF EM FIELDS	1758
OF LOW-LEVEL MICROWAVE RADIATION ON	GERMINATION AND GROWTH RATE IN CORN SEEDS	2692
DOUGLAS-FIR TREE SEED	GERMINATION ENHANCEMENT USING MICROWAVE ENERGY	1977
LLOWING INDUCED HYPERTHERMIA DURING	GESTATION	2917
	GHOSTS AND WITCHCRAFT IN RF MEASUREMENTS OR POWER ABSORPTION MEASU	2400
	GIANT MAST CELLS--A SPECIAL DEGENERATIVE FORM PRODUCED BY MICROWAV	0651
ROWAVES ON THE RESTING POTENTIAL OF	GIANT NEURONS OF THE MOLLUSK HELIX POMATIA (IN RUSSIAN)	2581
E HEATING EFFECT ON THE DOG THYROID	GLAND	1429
IMULTANEOUS RESECTION OF THE PINEAL	GLAND (IN FRENCH)	2855
PHOLOGY AND FUNCTION OF THE THYROID	GLAND (IN POLISH)	1923
INDUSTRIAL FREQUENCY ON THE THYROID	GLAND FUNCTIONAL ACTIVITY AND 131 I-THYROXIN BINDING BY TISSUES OF	3432
OPIC ACTIVITY IN ANTERIOR PITUITARY	GLAND OF RATS	2176
HYPOTHALAMUS AND CERTAIN ENDOCRINE	GLANDS	1450
F GUANYLATE CYCLASE IN RAT SALIVARY	GLANDS AND THEIR RELATIONSHIP TO THE INDUCTION OF GROWTH	1699
N DEVELOPMENT OF GONADS AND ADRENAL	GLANDS IN THE NEWBORN RAT	3415
EPITHELIUM OF THE SMALL INTESTINAL	GLANDS IN THE RAT (IN FRENCH)	2854
MITOTIC ACTIVITY IN EPITHELIUM OF	GLANDS OF THE SMALL INTESTINE OF THE RAT AFTER ELECTROTHERMOCOAGUL	2855
ELECTROSTATIC FIELDS AND SECONDARY	GLAUCOMA IN RATS	1112
NE ASSEMBLIES USING SEMI-CONDUCTING	GLAZED INSULATORS	3105
VASCULAR ALTERATIONS IN	GLIAL TUMORS PRODUCED BY MICROWAVE HEATING	2531
INCREASED BLOOD FLOW IN	GLIAL TUMORS PRODUCED BY MICROWAVE HEATING	2534
ALTERATIONS IN BLOOD FLOW IN	GLIAL TUMORS PRODUCED BY MICROWAVE HEATING AND TEMPERATURE GRADIEN	2529
THE PROBLEM OF	GLIO-NEURONAL RELATIONSHIP IN THE RAT CEREBRAL CORTEX DURING LONG-	1462
IFFERENTIAL HYPOTHERMIA IN A MURINE	GLIOMA	2364
F MICROWAVE IRRADIATION ON CULTURED	GLIOMA CELLS I. AN ENZYMATIC AND SCANNING ELECTRON MICROSCOPY STUD	0293
DIO-FREQUENCY ENERGY ON HUMAN GAMMA	GLOBULIN	2952
GAMMA	GLOBULIN , ACETYLCHOLINESTERASE, AND CHYMOTRYPSIN FOLLOWING RADIOFR	1983
	GLUCOCORTICOID FUNCTION OF THE ADRENALS IN RADIOWAVE SICKNESS	1443
DEMONSTRATED BY THE EFFECTS OF EMR,	GLUCOSE AND OXYGEN	0079
ROWAVE RADIATION ON THE ACTIVITY OF	GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN HUMAN BLOOD	1982
EXPERIENCE WITH THE USE OF	GLUCOSORTICOSTEROIDS AND MAGNETIC FIELD IN THE INTENSIVE THERAPY O	0013
ES OF AQUEOUS SOLUTIONS OF ETHYLENE	GLYCOL BETWEEN +15 DEGREE CELSIUS AND -70 DEGREE CELSIUS	0172
CYCLIC AMP AND CYCLIC	GMP IN THE RAT GASTRIC MUCOSA	2860
MENTS OR A POTENTIAL CONSUMER-SALES	GOLD MINE?	0408
IELD ON THE DIRECTIONAL BEHAVIOR OF	GOLDFISH	1227
GALVANOTROPIC ORIENTATION OF	GOLDFISH (CARASSIUS AURATUS)	0516
	GONAD DOSES AND GENETICALLY SIGNIFICANT DOSE FROM DIAGNOSTIC RADIO	0986
THE CLINICAL TESTING OF MALE	GONAD SHIELDS	3620
	GONADIC FUNCTION IN WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES	1318
MICROWAVE-INDUCED SHIFTS OF	GONADOTROPIC ACTIVITY IN ANTERIOR PITUITARY GLAND OF RATS	2476
FECT OF MICROWAVE ON DEVELOPMENT OF	GONADS AND ADRENAL GLANDS IN THE NEWBORN RAT	3415
HIGH	GRADIENT MAGNETIC FIELD INHIBITS EMBRYONIC DEVELOPMENT OF FROGS	2115
Y MICROWAVE HEATING AND TEMPERATURE	GRADIENTS	2529
WEAK ELECTRIC	GRADIENTS CHANGE IONIC AND TRANSMITTER FLUXES IN CORTEX	1493
OF ENERGY ABSORPTION BY INSECTS AND	GRAIN IN ELECTRIC FIELDS	0981
OF ENERGY ABSORPTION BY INSECTS AND	GRAIN IN ELECTRIC FIELDS	3559
REQUENCY ELECTRIC FIELDS FOR STORED	GRAIN INSECT CONTROL	0978
CONTROL OF	GRAIN INSECTS BY MICROWAVE POWER	3066
IELECTRIC PROPERTIES OF INSECTS AND	GRAIN KERNELS	0840
MICROWAVE EFFECTS ON	GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO	0352
EM THAWING OF FROZEN	GRANULOCYTES FOR TRANSFUSION	1005

F 10-CM (3 GHZ) EMR (MICROWAVES) ON	GRANULOCYTES IN VITRO	1078
ECTRICAL STIMULATION OF THE CENTRAL	GRAY MATTER IN HUMANS AND ITS REVERSAL BY NALOXONE	2858
PERCUTANEOUS CENTRAL	GRAY STIMULATION FOR CANCER PAIN	3421
765 KV TRANSMISSION LINES ON ANIMAL	GRAZING HABITS	3614
DETERMINATION OF THE IN SITU	GROUND CONDUCTIVITY AND RELATIVE DIELECTRIC CONSTANT VIA THE TWO-L	3049
DEPOSITION IN MAN WITH AND WITHOUT	GROUND EFFECTS	3618
AVE IRRADIATION OF MAN MODEL NEAR A	GROUND PLANE	0242
THE MEASUREMENT OF SUBSTATION	GROUND RESISTANCE AND ITS USE IN DETERMING PROTECTION FOR METALLIC	3117
, INCLUDING THE EFFECTS OF VERTICAL	GROUND WIRES	3103
ITH RECEIVING ANTENNA 10 FEET ABOVE	GROUND- NEW YORK CITY UHF-TV PROJECT	3524
D IN MODELS OF MAN WITH AND WITHOUT	GROUNDING AND REFLECTOR EFFECTS	2733
IRRADIATION IN VARIOUS OCCUPATIONAL	GROUPS	0885
, MICROWAVE WORKERS AND AGE-MATCHED	GROUPS	0892
POTENTIALLY SUSCEPTIBLE POPULATION	GROUPS	3557
THE APPLE	GROVE 750 KV PROJECT STATISTICAL ANALYSIS OF AUDIBLE NOISE PERFORM	3115
DIRECT CURRENT STIMULATION OF THE	GROWING DEER ANTLER	1834
CHANGE IN THE BLOOD COUNT OF	GROWING RATS IRRADIATED WITH A MICROWAVE PULSE FIELD	0182
FECTS ON IN VIVO AND IN VITRO TUMOR	GROWTH	1162
MILLIMETRIC WAVELENGTH ON BACTERIAL	GROWTH	1650
IR RELATIONSHIP TO THE INDUCTION OF	GROWTH	1699
OF HIGH ELECTRICAL FIELDS ON BARLEY	GROWTH	1978
ULATION TECHNIQUE FOR INDUCING BONE	GROWTH	2237
OR WATERBATH HYPERTHERMIA ON TUMOR	GROWTH	2768
DIRECT CURRENT STIMULATION OF BONE	GROWTH	2779
IC FIELD INDUCED CHANGES IN RATE OF	GROWTH AND BRAIN AND LIVER ENYZMES OF RATS	1782
	GROWTH AND DEVELOPMENT OF NEONATAL MICE EXPOSED TO HIGH-FREQUENCY	0743
ACT OF 60-HZ ELECTRIC FIELDS ON THE	GROWTH AND DEVELOPMENT OF PLANTS	2833
ENSITY 60-HZ ELECTRIC FIELDS ON THE	GROWTH AND DEVELOPMENT OF PLANTS AND ANIMALS	2791
XTREMELY LOW FREQUENCY EM FIELDS ON	GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM	1030
XTREMELY LOW FREQUENCY EM FIELDS ON	GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM, PHASE I: CONT	1753
RETARDED TUMOR	GROWTH AND GREATER LONGEVITY IN MICE AFTER FETAL IRRADIATION BY 24	0026
MAGNETIC AND ELECTRIC FIELDS ON THE	GROWTH AND RATE OF MUTATIONS OF VARIOUS MICRO-ORGANISMS	1593
INFLUENCE OF MAGNETIC FIELDS ON	GROWTH AND REGENERATION IN ORGAN CULTURE	0147
ELECTRIC STIMULATION OF BONE	GROWTH AND REPAIR: A REVIEW OF DIFFERENT STIMULATION METHODS	0158
THERAPY IN ANIMAL EXPERIMENT: TUMOR	GROWTH AND TUMOR CURE (IN GERMAN)	0008
INHIBITION OF BACTERIAL CELL	GROWTH BY 136 GC MICROWAVES	0657
IN VIVO BONE	GROWTH IN A CONTROLLED ELECTRIC FIELD	2236
INHIBITION OF EXPERIMENTAL TUMOR	GROWTH IN HAMSTERS BY SMALL DIRECT CURRENTS	2619
INHIBITION OF TUMOR	GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRI	0053
INHIBITION OF TUMOR	GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND COLCE	2753
Y (SHORTWAVE AND MICROWAVE) ON BONE	GROWTH IN THE ALBINO RAT	3371
IN VITRO EPIPHYSEAL-PLATE	GROWTH IN VARIOUS CONSTANT ELECTRICAL FIELDS	0640
S OF ELECTRICAL STIMULATION ON BONE	GROWTH IN VITRO AND ON FRACTURE HEALING	2330
BENEFICIAL AND HARMFUL ACCELERATED	GROWTH INDUCED BY THE ACTION OF NONIONIZING RADIATION	1048
THE EFFECTS OF RADIOWAVES ON THE	GROWTH OF ANIMALS	1463
ELECTRIC AND MAGNETIC FIELDS ON THE	GROWTH OF ANIMALS	2277
EFFECT OF CONTROLLED EMR ON THE	GROWTH OF CELLS IN TISSUE	0267
THE EFFECT OF MICROWAVE EMR ON THE	GROWTH OF MAMMALIAN CELLS IN TISSUE CULTURE	2514
50 MHZ MICROWAVE IRRADIATION ON THE	GROWTH OF MICE	0808
ELERATION AND DECELERATION OF FETAL	GROWTH OF RATS BY 2450 MHZ MICROWAVE IRRADIATION	0222
OF LOCAL TUMOR HYPERTHERMIA ON THE	GROWTH OF SOLID MOUSE TUMORS	0333
	GROWTH OF STAPHYLOCOCCUS AUREUS IN A NULL MAGNETIC FIELD ENVIRONME	2495
GERMINATION AND EARLY	GROWTH OF SUNFLOWERS IN WEAK ELF EM FIELDS	1758
WAVE RADIATIONS ON HATCHABILITY AND	GROWTH OF TURKEYS	1974
ELECTRIC AND MAGNETIC FIELDS ON THE	GROWTH OF YOUNG CHICKENS	2289
ROWAVE RADIATION ON GERMINATION AND	GROWTH RATE IN CORN SEEDS	2692
EFFECT OF ELECTRIC FIELDS ON	GROWTH RATE OF EMBRYONIC CHICK TIBIAE IN VITRO	0592
RESONANT	GROWTH RATE RESPONSE OF YEAST CELLS IRRADIATED BY WEAK MICROWAVES	2697
SELECTIVE TUMOR HEATING AND	GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY	0364
ACHES IN ELECTRICALLY MEDIATED BONE	GROWTH STUDIES	2240
CHANGES IN RATE OF	GROWTH , AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTR	2549
Y ELECTRIC AND MAGNETIC FIELDS UPON	GROWTH , DEVELOPMENT, AND BEHAVIOR IN DOMESTIC BIRDS, PHASE I: CONT	1786
CTS OF LOW LEVEL MAGNETIC FIELDS ON	GROWTH , DEVELOPMENT, AND BIOCHEMISTRY OF THE CHICK EMBRYO, GALLUS	0099
IELD EXPOSURE OF RATS: A SEARCH FOR	GROWTH , FOOD AND WATER CONSUMPTION, BLOOD METABOLITE, HEMATOLOGICA	0957
IELD EXPOSURE OF RATS: A SEARCH FOR	GROWTH , FOOD CONSUMPTION AND BLOOD METABOLITE ALTERATIONS	1787

ERVE SUPPLY ON THE CONCENTRATION OF	GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE AND THE ACTIVITY OF GUANYLATE	1699
C MONOPHOSPHATE AND THE ACTIVITY OF	GUANYLATE CYCLASE IN RAT SALIVARY GLANDS AND THEIR RELATIONSHIP TO	1699
NGRESSIONAL GUIDANCE AND SUPPORT TO	GUARD THE PUBLIC IN A PERIOD OF RADIATION PROLIFERATION	0363
OTECTION AGENCY NEEDS CONGRESSIONAL	GUIDANCE AND SUPPORT TO GUARD THE PUBLIC IN A PERIOD OF RADIATION	0363
RECOMMENDED	GUIDE FOR MAKING DIELECTRIC MEASUREMENTS IN THE FIELD	3517
SAFETY	GUIDE FOR THE PREVENTION OF RADIO FREQUENCY RADIATION HAZARDS IN T	3131
HF-UHF RADIATION HAZARDS AND SAFETY	GUIDELINES	2942
SOME	GUIDELINES FOR THE DEVELOPMENT OF EMR STANDARDS	0822
OF INTERNATIONAL MICROWAVE EXPOSURE	GUIDES	0771
PROTECTION	GUIDES AND STANDARDS FOR MICROWAVE EXPOSURE	1603
RAPHY OF REGULATIONS, STANDARDS AND	GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION AND RADIATION FROM LA	0597
REGULATIONS, STANDARDS, AND	GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION, AND RADIATION FROM L	0562
NTRAL NERVOUS SYSTEM OF RABBITS AND	GUINEA PIGS	1492
NTIALS: PRELIMINARY OBSERVATIONS OF	GUINEA PIGS	2662
TION ON THE BLOOD FORMING SYSTEM OF	GUINEA PIGS AND RABBITS	0622
ES IN THE CELLS OF CORTI'S ORGAN IN	GUINEA PIGS FOLLOWING LONG-TERM EXPOSURE TO MICROWAVES (IN POLISH)	1901
CHANGES IN THE PERIPHERAL BLOOD OF	GUINEA PIGS INDUCED BY A THREE CENTIMETER EM FIELD	1488
RESPONSES OF THE ISOLATED TERMINAL	GUINEA-PIG ILEUM TO ELECTRICAL STIMULATION	1875
EFFECT OF MICROWAVES AT X-BAND ON	GUINEA-PIG SKIN IN TISSUE CULTURE, PART 1: MICROWAVE APPARATUS FOR	0523
EFFECT OF MICROWAVES AT X-BAND ON	GUINEA-PIG SKIN IN TISSUE CULTURE, PART 2: EFFECT OF THE RADIATION	0452
EFFECT OF MICROWAVES AT X-BAND ON	GUINEA-PIG SKIN IN TISSUE CULTURE, PART 3: EFFECT OF PULSED MICROW	0453
ORIENTATION BEHAVIOR OF RING-BILLED	GULL CHICKS (LARUS DELAWARENSIS) EXPOSED TO PROJECT SANGUINE'S ELE	1762
ORIENTATION OF	GULL CHICKS EXPOSED TO PROJECT SANGUINE'S EM FIELD	0912
CTIVITY OF ISOLATED SEGMENTS OF RAT	GUT	2748
ICAL QUANTUM GENERATORS (LASERS) IN	GYNECOLOGY (IN RUSSIAN)	1408
TIC POTENTIATION IN THE RAT DENTATE	GYRUS FOLLOWING BRIEF HIGH FREQUENCY STIMULATION	2857
A LOW FREQUENCY	H-FIELD RADIATION MONITOR	2200
RANSMISSION LINES ON ANIMAL GRAZING	HABITS	3614
F THE REPAIR OF RADIATION DAMAGE OF	HAEMATOPOIESIS IN MICE BY MICROWAVES	1136
INFLUENCE OF PULSED MICROWAVES ON	HAEMATOPOIESIS OF ADOLESCENT RATS	1132
ECT OF HIGH-FREQUENCY EM FIELD UPON	HAEMOPOIETIC STEM CELLS IN MICE	0735
ERYTHROCYTE DAMAGE CAUSED BY THE	HAEMOTHERM MICROWAVE BLOOD WARMER	0308
TROMAGNETIC FIELDS IN A DISSIPATIVE	HALF-SPACE : A NUMERICAL APPROACH	3285
LIQUIDS IX. MEASUREMENT IN ORGANIC	HALIDES AT 10-CM WAVELENGTHS	3344
FIELD STRENGTH METER EMPLOYING THE	HALL EFFECT IN GERMANIUM	3307
MICROWAVE	HALL MOBILITY MEASUREMENTS ON HEAVY BEEF HEART MITOCHONDRIA	0684
EFFECT OF RADAR EMANATIONS ON THE	HAMATOPOIETIC SYSTEM	3319
MORPHOLOGIC ALTERATIONS IN	HAMSTER BLOOD-BRAIN BARRIER AFTER MICROWAVE IRRADIATION	2787
CYTOTOXIC EFFECTS OF EMR ON CHINESE	HAMSTER CELLS IN CULTURE	1134
MOSOME BREAKAGE IN CULTURED CHINESE	HAMSTER CELLS INDUCED BY RADIO-FREQUENCY TREATMENT	0535
THE RESPONSE OF AN AMELANOTIC	HAMSTER MELANOMA TO VARIOUS TREATMENT MODALITIES UTILIZING X-RAYS	2363
RS IN CORNEAL EPITHELIUM OF CHINESE	HAMSTERS	0098
N RESPONSES OF X-IRRADIATED CHINESE	HAMSTERS	0521
HESIS AND ON CHROMOSOMES IN CHINESE	HAMSTERS	2507
S OF MICROWAVE RADIATION ON CHINESE	HAMSTERS	3056
LECTRON MICROSCOPIC OBSERVATIONS ON	HAMSTERS AFTER MICROWAVE IRRADIATION	2439
ION OF EXPERIMENTAL TUMOR GROWTH IN	HAMSTERS BY SMALL DIRECT CURRENTS	2619
NS IN CORNEAL EPITHELIUM OF CHINESE	HAMSTERS IN CORNEAL EPITHELIUM OF CHINESE HAMSTERS	0098
BILE COMMUNICATIONS EQUIPMENT AND A	HAND-HELD WALKIE TALKIE	0167
RADIOFREQUENCY RADIATION DOSIMETRY	HANDBOOK	0878
RADIO-FREQUENCY RADIATION DOSIMETRY	HANDBOOK	2735
RADIATION SAFETY	HANDBOOK FOR IONIZING AND NONIONIZING RADIATION	0511
	HANDBOOK ON THE USE OF RADIO-MEASUREMENT INSTRUMENTS (1969)	3160
RADIOFREQUENCY RADIATION DOSIMETRY	HANDBOOK	2927
AVE RADAR OVENS THE POTENTIAL TO DO	HARM ?	0961
BENEFICIAL AND	HARMFUL ACCELERATED GROWTH INDUCED BY THE ACTION OF NONIONIZING RA	1048
	HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW	1279
PROPHYLAXIS AND PROTECTION FROM THE	HARMFUL EFFECTS OF MICROWAVES	2268
MICROWAVE RADIATION AND OTHER	HARMFUL FACTORS OF WORKING ENVIRONMENT IN RADIOLOCATION: METHOD OF	1138
ARE MICROWAVES	HARMLESS ? (IN GERMAN)	0004
ZONAL	HARMONICS IN LOW FREQUNCY TERRESTRAIL KADIO WAVE PROPAGATION	3569
EFFECTS OF MICROWAVE RADIATIONS ON	HATCHABILITY AND GROWTH OF TURKEYS	1974
THE 48TH HOUR OF INCUBATION, AND ON	HATCHING RATE	1559
IS OF BROADCAST RADIATION LEVELS IN	HAWAII	2610
MARINE RADAR HELP OR	HAZARD ?	0073

CE DATA FOR RADIOFREQUENCY EMISSION	HAZARD ANALYSIS	0584
INVESTIGATION OF PERSONNEL	HAZARD ASSOCIATED WITH RADIO- FREQUENCY FIELDS ENCOUNTERED IN NAVA	2573
HIGH VOLTAGE LINES:	HAZARD AT A DISTANCE	0084
MICROWAVE	HAZARD CONTROL IN DESIGN	1548
ON OF CICOIL 'PERSONAL RF RADIATION	HAZARD DETECTOR'	0214
MICROWAVE OVEN REPAIR:	HAZARD EVALUATION	0774
MICROWAVE	HAZARD EVALUATION (A FIELD SURVEY FORM)	3549
LONG RANGE RADIATION	HAZARD EXPERIMENT GETS UNDERWAY USING HUMAN VOLUNTEERS	0681
HYPERTHERMIA: HEALING AND	HAZARD IN TUMOR BEARING RATS	2649
THE MATURING OF EMR	HAZARD INSTRUMENTS	0126
MICROWAVE	HAZARD MEASUREMENTS NEAR VARIOUS AIRCRAFT RADARS	0779
METHODS OF CALIBRATING MICROWAVE	HAZARD METERS	0880
TECHNIQUES FOR MICROWAVE RADIATION	HAZARD MONITORING	0539
INFECTION	HAZARD OF RADIO IN THE OR	0689
MICROWAVES RADIATION AS A POTENTIAL	HAZARD TO HEALTH	2019
ING RADIATION: DO MICROWAVES POSE A	HAZARD TO MIND AND BODY?	0566
SHORT WAVE EMR AS A	HAZARD TO PERSONNEL	2505
ASSESSING MICROWAVES AS A	HAZARD TO THE EYE--PROGRESS AND PROBLEMS	1257
STANDARD RADIO FREQUENCY RADIATION	HAZARD WARNING SYMBOL	3627
AL EFFECTS OF MICROWAVES AND HEALTH	HAZARD '	1512
E RADIATION: A POTENTIAL BIOLOGICAL	HAZARD ?	0611
WHAT PROOF OF MICROWAVE	HAZARD ?	2132
CHARACTERIZATION AND MEASUREMENT OF	HAZARDOUS EM FIELDS	0879
QUANTIFYING	HAZARDOUS EM FIELDS: SCIENTIFIC BASIS AND PRACTICAL CONSIDERATIONS	0501
	HAZARDOUS EM INTERACTION WITH MEDICAL ELECTRONICS	2287
FOR THE MEASUREMENT OF POTENTIALLY	HAZARDOUS EMR AT MICROWAVE FREQUENCIES	0616
ERICAL BOLOMETER FOR MEASUREMENT OF	HAZARDOUS FIELD INTENSITIES FROM 0.4 TO 40 GHZ	3297
SSING THE POTENTIAL FOR EXPOSURE TO	HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES	1422
SSING THE POTENTIAL FOR EXPOSURE TO	HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES	3251
QUANTIFYING	HAZARDOUS MICROWAVE FIELDS	0118
DETERMINATION AND ELIMINATION OF	HAZARDOUS MICROWAVE FIELDS ABOARD NAVAL SHIPS	0485
QUANTIFYING	HAZARDOUS MICROWAVE FIELDS: ANALYSIS	1545
QUANTIFYING	HAZARDOUS MICROWAVE FIELDS: PRACTICAL CONSIDERATIONS	1546
OMATERIALS FOR DOSIMETRY STUDIES OF	HAZARDOUS MICROWAVE RADIATION	0858
MICROWAVE-INDUCED	HAZARDOUS NONLINEAR THERMOELASTIC VIBRATIONS OF THE OCULAR LENS IN	0114
MICROWAVE RADIATION	HAZARDS	0466
TED PULSED MICROWAVES TO BIOLOGICAL	HAZARDS	0470
ICAL ASPECTS OF MICROWAVE RADIATION	HAZARDS	0542
RADIO FREQUENCY RADIATION	HAZARDS	0554
DETECTORS FOR EVALUATION OF HEALTH	HAZARDS	0580
ANUAL FOR RADIO-FREQUENCY RADIATION	HAZARDS	0590
OF MICROWAVE RADIATION: A REVIEW OF	HAZARDS	0606
ON CAMPUS: A STUDY OF ENVIRONMENTAL	HAZARDS	0677
HEALTH SURVEILLANCE OF MICROWAVE	HAZARDS	0712
EQUIPMENT SURVEYS FOR RF RADIATION	HAZARDS	0775
A NOTE ON EMP SAFETY	HAZARDS	1333
NONIONIZING RADIATION	HAZARDS	1423
NSITY METER DEVELOPED FOR MICROWAVE	HAZARDS	1725
MICROWAVE	HAZARDS	1908
MICROWAVE	HAZARDS	2131
MITTEE ON RADIO FREQUENCY RADIATION	HAZARDS	2274
ES FOR PROTECTION AGAINST RADIATION	HAZARDS	2835
METROPOLITAN RADIATION	HAZARDS	2973
RADIATION	HAZARDS	2983
MAGNETIC INTERFERENCE AND RADIATION	HAZARDS	2994
IATIONS, APPLICATIONS AND POTENTIAL	HAZARDS	3051
RESEARCHING MICROWAVE HEALTH	HAZARDS	3461
SURVEY OF RADIO FREQUENCY RADIATION	HAZARDS	3466
RF RADIATION	HAZARDS	3480
EMC AND RADIATION	HAZARDS	3535
SURVEY OF RADIO FREQUENCY RADIATION	HAZARDS	3541
SURVEY OF RADIO FREQUENCY RADIATION	HAZARDS	3572
SURVEY OF RADIO FREQUENCY RADIATION	HAZARDS	3573
RADIATION	HAZARDS (AGARD LECTURE SERIES NO. 78)	3149
METROPOLITAN RADIATION	HAZARDS (II)	2989

THE RADIATION	HAZARDS (RAD HAZ) PROGRAM ON THE FORMULATION OF STANDARDS	0461
METROPOLITAN RADIATION	HAZARDS 3RD	2997
RADIO FREQUENCY	HAZARDS ABOARD NAVAL SHIPS	1565
WITH APPLICATIONS TO RADIOFREQUENCY	HAZARDS AND BROADCASTING	0192
VERHEAD TRANSMISSION LINES: PART-I:	HAZARDS AND EFFECTS	3009
RADIATION	HAZARDS AND INTERFERENCE ANALYSIS OF A PROPOSED LORAN-C STATION AT	3597
RF HEALTH	HAZARDS AND MONITORING METERS--RECENT NOTES	0698
RADIATION HEALTH	HAZARDS AND PROTECTION	3540
VHF-UHF RADIATION	HAZARDS AND SAFETY GUIDELINES	2942
NIONIZING RADIANT ENERGY--POTENTIAL	HAZARDS AND SAFETY STANDARDS	0534
A REVIEW OF MICROWAVE RADIATION	HAZARDS AND SAFETY STANDARDS	1262
NIONIZING RADIANT ENERGY--POTENTIAL	HAZARDS AND SAFETY STANDARDS	3217
MICROWAVE RADIATION	HAZARDS AROUND LARGE MICROWAVE ANTENNA	0515
MICROWAVE	HAZARDS ASSOCIATED WITH SMALL DISCHARGE CAVITIES	1711
	HAZARDS ASSOCIATED WITH THE OPERATION OF MICROWAVE OVENS	2040
ALYSIS OF ELECTROMAGNETIC RADIATION	HAZARDS AT PATUXENT RIVER NAVAL AIR TEST CENTER (MARYLAND)	3596
RESEARCH PROJECT TO STUDY RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS	2979
RESEARCH PROJECT O STUDY RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 1	1424
RESEARCH PROJECT TO STUDY RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 1	3519
RESEARCH PROJECT TO STUDY RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 2	1425
RADIATION	HAZARDS CAUSED BY HIGH-POWER, HIGH-FREQUENCY FIELDS	3509
RADIOFREQUENCY RADIATION HEALTH	HAZARDS CONTROL	1024
NDARDS FOR RADIOFREQUENCY/MICROWAVE	HAZARDS CONTROL	2026
	HAZARDS DUE TO TOTAL BODY IRRADIATION BY RADAR	0557
	HAZARDS DUE TO TOTAL BODY IRRADIATION BY RADAR	3322
MICROWAVE	HAZARDS EVALUATION	0561
RADAR	HAZARDS EVALUATION	3187
MICROWAVE	HAZARDS EVALUATION: CONCEPTS AND CRITERIA	1115
SOME CONSIDERATIONS OF MICROWAVE	HAZARDS EXPOSURE CRITERIA	0546
PUBLIC HEALTH	HAZARDS FROM ELECTRICITY-PRODUCING PLANTS	1799
PRESENT FESMDERAL CONTROL OF HEALTH	HAZARDS FROM ELECTRONIC PRODCUCT RADIATION AND OTHER TYPES OF IONI	3035
BIOLOGICAL	HAZARDS FROM EXPOSURE TO ELF ELECTRICAL FIELDS AND POTENTIALS	0965
HEALTH	HAZARDS FROM EXPOSURE TO MICROWAVES	0783
HEALTH	HAZARDS FROM EXPOSURE TO MICROWAVES	3092
HEALTH	HAZARDS FROM EXPOSURE TO MICROWAVES	3253
STUDIES OF RF BIOLOGICAL	HAZARDS FROM HIGH POWER TRANSMITTERS OPERATING IN THE HF BAND (SUM	3059
STUDIES OF BIOLOGICAL	HAZARDS FROM HIGH-POWER HF BAND TRANSMITTERS	1527
AVOIDANCE OF RADIATION	HAZARDS FROM MICROWAVE ANTENNAS	1223
HEALTH	HAZARDS FROM MICROWAVE EXPOSURE	1319
HEALTH	HAZARDS FROM MICROWAVE RADIATION	0697
RADIATION	HAZARDS FROM MICROWAVE SOURCES WITH MOBILE ANTENNAS: CERTAIN TECHN	0882
A REVIEW OF THE HEALTH	HAZARDS FROM OVEREXPOSURE TO MICROWAVE RADIATION	3068
G THE POTENTIAL PERSONNEL RADIATION	HAZARDS FROM PHASED-ARRAY RADARS ABOARD SHIPS	0944
HEALTH	HAZARDS FROM POWERFUL RADIO TRANSMISSIONS	0564
HEALTH	HAZARDS FROM TELEMETRY RF EXPOSURE? A REVIEW ON THE INTERACTIONS B	2027
RADIATION	HAZARDS FROM THERAPEUTIC MICROWAVE DIATHERMY	2464
METROPOLITAN RADIATION	HAZARDS II (METRO RAD-HAZ II)	3615
METROPOLITAN RADIATION	HAZARDS III (METRO RAD-HAZ III)	3616
RADIO	HAZARDS IN THE M.F./H.F. BAND	0713
EMR	HAZARDS IN THE NAVY	1200
ENTION OF RADIO FREQUENCY RADIATION	HAZARDS IN THE USE OF ELECTRIC BLASTING CAPS	3131
POSSIBLE INDUSTRIAL	HAZARDS IN THE USE OF MICROWAVE RADIATION	0497
SAFETY FROM MICROWAVE	HAZARDS IN USING MICROWAVE POWER EQUIPMENT--AN IMPI POLICY STATEME	1653
BIBLIOGRAPHY ON THE	HAZARDS OF ARTIFICIAL CARDIAC PACEMAKER EXPOSURE TO RADIO FREQUENC	0527
TION TO ELECTROMAGNETIC INTERACTION	HAZARDS OF ELECTROMEDICAL EQUIPMENT	3385
Y PERSONNEL AND THE PUBLIC FROM THE	HAZARDS OF EMR FROM MILITARY COMMUNICATIONS AND RADAR SYSTEMS	0311
NON-THERMAL	HAZARDS OF EXPOSURE TO RADIO FREQUENCY FIELDS. MICROWAVE STUDIES	0967
POTENTIAL	HAZARDS OF HERTZIAN RADIATION AND TUMORS	2374
	HAZARDS OF HIGH FREQUENCY RADIATION	1001
IONAL SAFETY PROGRAM FOR OPHTHALMIC	HAZARDS OF MICROWAVE	0522
OPHTHALMIC	HAZARDS OF MICROWAVE AND LASER ENVIRONMENTS	2572
TICAL REVIEW OF RUSSIAN WORK ON THE	HAZARDS OF MICROWAVE RADIATION	2286
BIOLOGICAL EFFECTS AND	HAZARDS OF MICROWAVE RADIATION	2616
SIUM ON BIOLOGIC EFFECTS AND HEALTH	HAZARDS OF MICROWAVE RADIATION--WARSAW, POLAND, 15-18 OCTOBER, 197	1688
SIUM ON BIOLOGIC EFFECTS AND HEALTH	HAZARDS OF MICROWAVE RADIATION	3069

PHYSIOLOGICAL	HAZARDS	OF MICROWAVE RADIATION: A SURVEY OF PUBLISHED LIT	0940
	HAZARDS	OF MICROWAVE RADIATIONS	0547
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING ELECTROMAGNETIC RADIATION	3089
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING ELECTROMAGNETIC RADIATION'	3023
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING ELECTROMAGNETIC RADIATION	2972
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING EMR'	0767
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING EMR'	0768
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING EMR'	0769
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING EMR'	0770
NMENT: THE ASSESSMENT OF BIOLOGICAL	HAZARDS	OF NONIONIZING EMR	0212
MICROWAVE RADIATION	HAZARDS	PROBLEMS IN THE U. S. ARMY	1566
SECOND PROGRESS REPORT EM	HAZARDS	PROJECT	2852
MICROWAVE	HAZARDS	SURVEILLANCE AND CONTROL	0778
ANDARDS FOR BIOLOGICAL RESEARCH AND	HAZARDS	SURVEYS	1550
LINAL MICROWAVE	HAZARDS	TO CARDIAC PACEMAKER WEARERS	0361
CONTROL OF	HAZARDS	TO HEALTH FROM MICROWAVE RADIATION	3190
ROCEDURE: RADIO FREQUENCY RADIATION	HAZARDS	TO PERSONNEL	2605
TION FOR EVALUATING RADIO-FREQUENCY	HAZARDS	TO PERSONNEL	3460
RADIO FREQUENCY RADIATION	HAZARDS	TO PERSONNEL AT FREQUENCIES BELOW 30 MHZ	1549
	HAZARDS	TO PERSONS FROM ALTERNATING EM FIELDS IN THE FREQUENCY RAN	2621
OBSERVATIONS ON MICROWAV E	HAZARDS	TO USAF PERSONNEL	0711
INTERFERENCE	HAZARDS	WITH AUSTRALIAN NON-COMPETITIVE ('DEMAND') PACEMAKERS	3580
MICROWAVE '	HAZARDS	' ARE EXAGGERATED	0520
VE AND MAN: THE DIRECT AND INDIRECT	HAZARDS	, AND THE PRECAUTIONS	2140
MICROWAVE	HAZARDS		0150
OCCUPATIONAL HEALTH AND RADIATION	HAZARDS		0176
DENSITIES ASSOCIATED WITH RADIATION	HAZARDS		3305
RF	HAZARDS	: WHAT WE DON'T KNOW CAN HURT ELEMENTS, METALLOPROTEINES A	2348
VE MEASURES FOR MICROWAVE RADIATION	HAZARDS	: 750 TO 30,000 MC	0530
CONSUMER	HAZARDS	: WHY THEY HAPPEN	3320
AN HIGH VOLTAGE CAUSE ENVIRONMENTAL	HAZARDS	? (IN NOR)	0318
TRANSMISSION OF EM PULSE INTO THE	HEAD		1719
SPHERICAL MULTILAYERED MODEL OF THE	HEAD		2198
NETRATION OF UHF ENERGY THROUGH THE	HEAD		2269
T OF ABSORBED POWER PATTERNS IN THE	HEAD	AND EYES OF RABBITS EXPOSED TO TYPICAL MICROWAVE SOURCES	1864
Y: PRELIMINARY CLINICAL FINDINGS IN	HEAD	AND NECK DISEASES	0271
A STUDY OF	HEAD	AND NECK EXPOSURE FROM POLYTOMOGRAPHY	0632
EL UHF-MICROWAVE IRRADIATION OF THE	HEAD	: INDIRECT CALORIC VESTIBULAR STIMULATION	0524
AST OF DOSE DISTRIBUTION IN PHANTOM	HEADS	DUE TO APERTURE AND PLANE WAVE SOURCES	1097
DOSE RATE DISTRIBUTIONS IN PHANTOM	HEADS	EXPOSED TO 2450 MHZ AND 915 MHZ PLANE WAVE AND SLOT SOURCES	2671
DOSE RATE DISTRIBUTIONS IN PHANTOM	HEADS	IRRADIATED BY AN APERTURE SOURCE	2590
MICROWAVE DIATHERMY: THE INVISIBLE	HEALER		0119
THE ELECTRICAL STIMULATION OF BONE	HEALING		0289
OF PULSED, SHORT WAVES ON ALVEOLAR	HEALING		0512
S AND APPLIED CURRENT DURING TENDON	HEALING		1679
EXPERIMENTAL ACCELERATION OF WOUND	HEALING		1824
ELECTRIC ENHANCEMENT OF BONE	HEALING		1832
ELECTRIC CURRENT HASTENS BONE	HEALING		2088
BIOPHYSICAL PROPERTIES OF FRACTURE	HEALING		2241
S OF ELECTRICAL ENHANCEMENT OF BONE	HEALING		2244
ELECTRICAL FRACTURE	HEALING		2245
ONE GROWTH IN VITRO AND ON FRACTURE	HEALING		2330
TION IN NORMAL AND DELAYED FRACTURE	HEALING		2782
RRENTS IN THE ACCELERATION OF WOUND	HEALING	AND FRACTURE UNION	1825
HYPERTHERMIA:	HEALING	AND HAZARD IN TUMOR BEARING RATS	2649
RICAL STIMULATION OF HUMAN FRACTURE	HEALING	BY MEANS OF A SLOW PULSATING, ASYMMETRICAL DIRECT CURRENT	2784
	HEALING	FRACTURES ELECTRICALLY	1833
ELECTRICAL ENHANCEMENT OF	HEALING	IN COMBAT INJURIES TO HARD AND SOFT TISSUES	1428
T OF THE KRAUSLECHNER METHOD ON THE	HEALING	OF EXPERIMENTAL NONUNIONS IN DOGS	0131
ON THE RATE OF OSTEOGENESIS IN THE	HEALING	OF EXTRACTION WOUNDS IN DOGS	0993
OF SMALL ELECTRICAL CURRENTS ON THE	HEALING	OF JAW FRACTURES	2780
	HEALING	OF NONUNION OF THE MEDIAL MALLEOLUS BY MEANS OF DIRECT CUR	1813
	HEALING	OF PURULENT WOUNDS IN ANIMALS SUBJECTED TO THE CHRONIC EFF	1481
ERNATING MAGNETIC FIELD EFFECT UPON	HEALING	OF ULCERS OF THE LOWER EXTREMITIES (IN RUSSIAN)	2719
ASPECTS OF THE STIMULATION OF BONE	HEALING	USING ELECTRICAL PHENOMENA	0288

STUDIES OF ENHANCED BONE	HEALING VIA ELECTRICAL STIMULI: COMPARATIVE EFFECTIVENESS OF VARIO	2771
RADIOENERGY	HEALING--MEDICINE OR MYTH?	2595
HIGH-VOLTAGE POWER LINES AND HUMAN	HEALTH	0030
NTIMETER AND METER WAVES ON HUMAN'S	HEALTH	0939
ERAL RESPONSIBILITY IN RADIOLOGICAL	HEALTH	1521
RADIATION AS A POTENTIAL HAZARD TO	HEALTH	2019
OMA 180 CELLS RESULTING FROM DIRECT	HEALTH AND CHRONIC MICROWAVE IRRADIATION	3468
ON THE BLOOD SEDIMENTATION RATE IN	HEALTH AND DISEASE	2014
ELY HIGH VOLTAGE TRANSMISSION LINES	HEALTH AND ENVIRONMENTAL EFFECTS: REQUEST FOR SUBMISSION DATA	3239
S OF THE GENERAL ELECTRIC COMPANY'S	HEALTH AND HYGIENE SERVICE	1571
OCCUPATIONAL	HEALTH AND RADIATION HAZARDS	0176
AMS UNDER THE RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968	0472
RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968	0619
RATION OF THE RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968	3137
RATION OF THE RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968 COVERING 1970	2935
RATION OF THE RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968 COVERING 1972	3072
RATION OF THE RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968 COVERING 1973	3108
NISTRATION OF RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968 PUBLIC LAW 90-602	1295
RATION OF THE RADIATION CONTROL FOR	HEALTH AND SAFETY ACT OF 1968, PUBLIC LAW 90-602	2544
RATION OF THE RADIATION CONTROL FOR	HEALTH AND SAFETY ACY OF 1968, COVERING 1969	2991
	HEALTH AND SAFETY OF HIGH VOLTAGE TRANSMISSION LINES	0111
L NOISE REQUISITE TO PROTECT PUBLIC	HEALTH AND WELFARE WITH AN ADEQUATE MARGIN OF SAFETY	3079
A PUBLIC	HEALTH APPROACH TO MICROWAVE AND RADIOFREQUENCY RADIATION	0314
S RESEARCH AND RELATED OCCUPATIONAL	HEALTH ASPECTS	3392
OCCUPATIONAL EXPOSURE AND PUBLIC	HEALTH ASPECTS OF MICROWAVE RADIATION	0898
	HEALTH ASPECTS OF RADIO-FREQUENCY EMR (IN ITALIAN)	1705
ZING RADIATION: BIOLOGICAL EFFECTS-	HEALTH ASPECTS OF SAFETY. (IN ITAL.)	0177
RADIOLOGICAL	HEALTH ATTITUDES OF COLLEGE STUDENTS	3434
IATION CONTROL OF THE NEW YORK CITY	HEALTH CODE PERTAINING TO MICROWAVE OVENS	3623
	HEALTH CONDITION OF WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC M	3193
	HEALTH CONDITIONS OF WORKERS IN HIGH-VOLTAGE ELECTRIC FIELDS	3067
AN EVALUATION OF ENVIRONMENTAL	HEALTH EFFECTS ASSOCIATED WITH HIGH VOLTAGE TRANSMISSION LINES	3168
REGULATING POSSIBLE	HEALTH EFFECTS FROM AC TRANSMISSION LINE ELECTROMAGNETIC FIELDS	0375
	HEALTH EFFECTS OF IONIZING AND NON-IONIZING RADIATION- REPORT ON A	3560
	HEALTH EFFECTS OF IONIZING AND NONIONIZING RADIATION	3090
INTERNATIONAL COLLABORATION ON THE	HEALTH EFFECTS OF NONIONIZING RADIATION	0285
AN ASSESSMENT OF ADVERSE	HEALTH EFFECTS OF TELECOMMUNICATIONS TECHNOLOGY	0550
REPORT OF THE	HEALTH EFFECTS RESEARCH REVIEW GROUP	0055
CONTROL OF HAZARDS TO	HEALTH FROM MICROWAVE RADIATION	3190
IOLOGICAL EFFECTS OF MICROWAVES AND	HEALTH HAZARD'	1512
YPES OF DETECTORS FOR EVALUATION OF	HEALTH HAZARDS	0580
RESEARCHING MICROWAVE	HEALTH HAZARDS	3461
RF	HEALTH HAZARDS AND MONITORING METERS--RECENT NOTES	0698
RADIATION	HEALTH HAZARDS AND PROTECTION	3540
RADIOFREQUENCY RADIATION	HEALTH HAZARDS CONTROL	1024
PUBLIC	HEALTH HAZARDS FROM ELECTRICITY-PRODUCING PLANTS	1799
PRESENT FESMDERAL CONTROL OF	HEALTH HAZARDS FROM ELECTRONIC PRODCUCT RADIATION AND OTHER TYPES	3035
	HEALTH HAZARDS FROM EXPOSURE TO MICROWAVES	0783
	HEALTH HAZARDS FROM EXPOSURE TO MICROWAVES	3092
	HEALTH HAZARDS FROM EXPOSURE TO MICROWAVES	3253
	HEALTH HAZARDS FROM MICROWAVE EXPOSURE	1319
	HEALTH HAZARDS FROM MICROWAVE RADIATION	0697
A REVIEW OF THE	HEALTH HAZARDS FROM OVEREXPOSURE TO MICROWAVE RADIATION	3068
	HEALTH HAZARDS FROM POWERFUL RADIO TRANSMISSIONS	0564
	HEALTH HAZARDS FROM TELEMETRY RF EXPOSURE? A REVIEW ON THE INTERAC	2027
L SYMPOSIUM ON BIOLOGIC EFFECTS AND	HEALTH HAZARDS OF MICROWAVE RADIATION--WARSAW, POLAND, 15-18 OCTOB	1688
L SYMPOSIUM ON BIOLOGIC EFFECTS AND	HEALTH HAZARDS OF MICROWAVE RADIATION	3069
O CONCERN AND ACTIVITIES RELATED TO	HEALTH IMPLICATIONS OF MICROWAVE RADIATION	1368
E CONCERN AND ACTIVITIES RELATED TO	HEALTH IMPLICATIONS OF MICROWAVE RADIATION	1369
SYMPOSIUM ON BIOLOGICAL EFFECTS AND	HEALTH IMPLICATIONS OF MICROWAVE RADIATION, RICHMOND, VA., SEPT. 1	0722
A COMPARATIVE ASSESSMENT OF	HEALTH IN PERSONS WORKING UNDER CONDITIONS INVOLVING EXPOSURE TO M	2360
A PERSPECTIVE ON ENVIRONMENTAL	HEALTH IN THE USSR	1298
COLLABORATIVE RADIOLOGICAL	HEALTH LABORATORY ANNUAL REPORT 1971	2978
PER-HIGH-FREQUENCY RADIO CURRENT ON	HEALTH OF MEN EXPOSED UNDER SERVICE CONDITIONS	0603
EVALUATION OF THE	HEALTH OF PERSONNEL WORKING NEAR PROJECT SANGUINE BETA TEST FACILI	1668

MICROWAVE PUBLICATIONS

EVALUATION OF THE	HEALTH	OF PERSONNEL WORKING NEAR PROJECT SANGUINE TEST FACILITY FR	3273
THE STATE OF	HEALTH	OF PERSONS WORKING IN THE ELECTRIC FIELD OF OUTDOOR 400 AND	3586
G RADIATION PROTECTION OF THE WORLD	HEALTH	ORGANIZATION REGIONAL OFFICE FOR EUROPE	0594
SOVIET JAMMING PROMPTS NEW	HEALTH	QUESTIONS	0646
SOME ENVIRONMENTAL AND	HEALTH	RELATED SIDE EFFECTS OF HIGH VOLTAGE POWER TRANSMISSION	3111
RADIOLOGICAL	HEALTH	RESEARCH SUMMARY REPORT JULY 1965-DECEMBER 1966	3576
ERIC N COOPERATION IN ENVIRONMENTAL	HEALTH	SCIENCE	0274
U. S. PUBLIC	HEALTH	SERVICE CONCERN AND ACTIVITIES RELATED TO HEALTH IMPLICATIO	1369
OCCUPATIONAL SAFETY AND	HEALTH	STANDARDS; NATIONAL CONCENSUS STANDARDS AND ESTABLISHED FED	2966
A STUDY OF THE	HEALTH	STATUS OF MICROWAVE WORKERS	0887
THE	HEALTH	STATUS OF PEOPLE WORKING IN THE ELECTRIC FIELD OF OPEN 400-	3087
	HEALTH	STUDIES OF PERSONNEL EXPOSED TO EM ULTRA-SHORT WAVE SOURCES	1344
	HEALTH	SURVEILLANCE OF MICROWAVE HAZARDS	0712
	HEALTH	SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWA	0796
	HEALTH	SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWA	0797
	HEALTH	SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWA	0798
	HEALTH	SURVEILLANCE OF PERSONNEL OCCUPATIONALLY MICROWAVE OVEN PERFORMANCE STANDARD	1817
AMENDMENTS TO THE U. S. DEPT. OF	HEALTH	, EDUCATION, AND WELFARE MICROWAVE OVEN PERFORMANCE STANDARD	2357
ELECTRICAL SAFETY IN	HEALTH-CARE	FACILITIES	2612
NETIC POLLUTION: IS IT HURTING OUR	HEALTH	?	2262
FUNCTIONAL CHANGES IN	HEALTHY	HUMANS EXPOSED TO LOW- INTENSITY MICROWAVE FIELDS	2846
OF CATECHOLAMINES IN THE TISSUES OF	HEALTHY	RABBITS (IN RUSSIAN)	2095
TO	HEAR	HEART'S SIGNALS, A DEEP WELL	1884
DO YOU	HEAR	WHAT I HEAR?	1884
DO YOU HEAR WHAT I	HEAR	?	0462
	HEARING	EM WAVES	0302
	HEARING	MECHANISM	0942
ESSMENT OF A HYPOTHESIZED MICROWAVE	HEARING	MICROWAVES	240[illegible]
NEW THEORY PROPOSED FOR	HEARING	SENSATION	0572
ON MICROWAVE-INDUCED	HEARING	SENSATIONS IN ELECTRIC FIELDS	0477
MICROWAVE	HEARING	: EVIDENCE FOR THERMOACOUSIC AUDITORY STIMULATION BY PULSED	0850
MICROWAVE-INDUCED	HEARING	: SOME PRELIMINARY THEORETICAL OBSERVATIONS	2758
MICROWAVE	HEARING	: THE RESPONSE OF SINGLE AUDITORY NEURONS IN THE CAT TO PUL	2749
AVE IRRADIATION OF THE ISOLATED RAT	HEART	AFTER TREATMENT WITH ANS BLOCKING AGENTS	1040
ATED UHF ENERGY ILLUMINATION OF THE	HEART	ASSOCIATED WITH CHANGE IN HEART RATE	1636
S AN ETIOLOGY FOR SUDDEN DEATH FROM	HEART	ATTACK IN NORTH KARELIA	0328
	HEART	ATTACKS AND GEOMAGNETIC ACTIVITY	1720
ELECTRONIC METHOD FOR MEASURING THE	HEART	FREQUENCY OF THE WATERFLEA: DAPHNIA PULEX	1804
HEART-RATE EFFECTS IN ISOLATED FROG	HEART	IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY	3390
HEART-RATE EFFECTS IN ISOLATED FROG	HEART	IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY	0684
MOBILITY MEASUREMENTS ON HEAVY BEEF	HEART	MITOCHONDRIA	0087
F IN MICROWAVE IRRADIATED CHEST AND	HEART	MUSCLES (IN JAPAN)	2809
UE FOR DERIVING ELECTROGRAMS OF THE	HEART	OF THE INTACT FROG DURING EXPOSURE TO SUPERHIGH FREQUENCY FI	2272
ETIC SUSCEPTIBILITY TEST PROGRAM ON	HEART	PACEMAKERS	2296
EM SUSCEPTIBILITY OF	HEART	PACEMAKERS TEST RESULTS	1040
THE HEART ASSOCIATED WITH CHANGE IN	HEART	RATE	1607
AVE BIOLOGICAL EFFECTS EXPERIMENTS:	HEART	RATE AND MYOTATIC REFLEX OF FROGS	1206
RATOGENESIS IN TENEBRIO MOLITOR AND	HEART	RATE IN FROG TO THE INCIDENCE OF LOW LEVEL MICROWAVES	0844
THE INSENSITIVITY OF FROG	HEART	RATE TO PULSE MODULATED MICROWAVE ENERGY	0921
MICROWAVE AND INFRA-RED EFFECTS ON	HEART	RATE, RESPIRATION RATE AND SUBCUTANEOUS TEMPERATURE OF THE R	2713
ION OF FUNCTIONAL CAPACITIES OF THE	HEART	UNDER CONDITIONS OF EFFECT OF EM FIELD OF INDUSTRIAL FREQUEN	3129
0 HZ ELECTRIC FIELDS (2) EFFECTS ON	HEART	'S AND BRAIN'S ELECTRICAL ACTIVITY	2095
TO HEAR	HEART	'S SIGNALS, A DEEP WELL	1804
ABSENCE OF	HEART-RATE	EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MO	3390
ABSENCE OF	HEART-RATE	EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MO	0695
ABSENCE OF	HEART-RATE	EFFECTS IN RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATI	2446
INTERACTION WITH ISOLATED MAMMALIAN	HEARTS		0526
RATE EFFECTS IN ISOLATED	HEARTS	INDUCED BY MICROWAVE IRRADIATION	1029
RATE EFFECTS IN ISOLATED TURTLE	HEARTS	INDUCED BY MICROWAVE IRRADIATION	1277
CTION OF SOFT X-RAY IRRADIATION AND	HEAT		0724
	HEAT	AS CANCER THERAPY	3248
IMETER FOR THE DETERMINATION OF THE	HEAT	DEFECT OF LOW ENERGY X-RAYS	0531
DIPHTHERIA TOXIN INDEPENDENT OF THE	HEAT	FACTOR	0932
	HEAT	IN MALE CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED	1531
THE DISSIPATION OF MICROWAVES AS	HEAT	IN THE EYE	0648
	HEAT	IN TUMOR THERAPY	

	HEAT POTENTIAL DISTRIBUTION IN AN INHOMOGENEOUS SPHERICAL MODEL OF	0052
MICROWAVES CHALLENGE TODAY'S	HEAT PROCESSING	1379
A PHYSICAL INVESTIGATION OF	HEAT PRODUCTION IN HUMAN TISSUES WHEN EXPOSED TO MICROWAVES	0465
	HEAT STRESS DUE TO R. F. RADIATION	1524
CONVECTION	HEAT TRANSFER AND FLOW PHENOMENA OF ROTATING SPHERES	3304
E) RESULTING FROM RADIOFREQUENCY OR	HEAT TREATMENT OF LARVAE OR PUPAE	1976
TROMAGNETIC FIELDS IN THE COURSE OF	HEAT TREATMENT OF METALS BY MEDIUM- HIGH-FREQUENCY CURRENTS (IN	3409
USE OF MICROWAVE FOR THE LOCALIZED	HEAT TREATMENT OF THE PROSTRATE	0268
USE OF SUPER-HIGH FREQUENCY TO	HEAT UP DEEP-FROZEN ERYTHROCYTES (IN RUSSIAN)	2723
	HEAT-DISSIPATION RATE OF MICE AFTER MICROWAVE IRRADIATION	2376
	HEAT-INVOKED CHANGES IN ASCORBIC ACID LEVELS IN THE RABBIT EYE	2685
IMPROVING TEMPERATURE UNIFORMITY IN	HEATED TISSUE	0238
HYPOTHERMIA ON BLOOD FLOW IN TUMORS	HEATED WITH MICROWAVE RADIATION	2530
MICROWAVE SELECTIVE BRAIN	HEATING	0806
AIN AFTER INACTIVATION BY MICROWAVE	HEATING	0902
HE ROLE OF ULTRASONIC AND MICROWAVE	HEATING	1225
NG CONDITIONS DURING HIGH FREQUENCY	HEATING	1516
IVAL AFTER LOCALIZED RADIOFREQUENCY	HEATING	2120
ENTS OF ELECTROMAGNETICALLY INDUCED	HEATING	2208
-IONIZING RADIATION FOR THERAPEUTIC	HEATING	2221
ABILITY OF PEAS CAUSED BY MICROWAVE	HEATING	2405
STEM RESPONSES TO MICROWAVE-INDUCED	HEATING	2430
GLIAL TUMORS PRODUCED BY MICROWAVE	HEATING	2531
GLIAL TUMORS PRODUCED BY MICROWAVE	HEATING	2534
ION IN THE RABBIT BY RADIOFREQUENCY	HEATING	2585
PRELIMINARY STUDIES ON THE	HEATING AND CIRCULATORY EFFECTS OF MICROWAVES 'RADAR'	3373
BIOLOGICAL SYSTEMS, 1, ANALYSIS OF	HEATING AND COOLING DATA	2729
SELECTIVE TUMOR	HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY	0364
HYPERTHERMIA BY LOCAL EM	HEATING AND LOCAL CONDUCTIVITY CHANGE	1909
SIMULTANEOUS MICROWAVE LOCAL	HEATING AND MICROWAVE THERMOGRAPHY: POSSIBLE CLINICAL APPLICATIONS	0264
GLIAL TUMORS PRODUCED BY MICROWAVE	HEATING AND TEMPERATURE GRADIENTS	2529
STUDIES ON THERAPEUTIC	HEATING BY ELECTROMAGNETIC ENERGY	3318
CTS OF MICROWAVES: LOCAL 'HOT SPOT'	HEATING BY MICROWAVES	1264
COMPARISON OF DEEP	HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES	3544
	HEATING CHARACTERISTICS OF LAB. ANIMALS EXPOSED TO TEN-CENTIMETER	0473
ANALYSES OF THERAPEUTIC	HEATING DUE TO A GENERAL ELECTROMAGNETIC APERTURE SOURCE	3326
OCULAR	HEATING DURING DENTAL DIATHERMY TREATMENT	2465
EPORT OF EXPEIMENTAL STUDIES OF THE	HEATING EFFECT OF MICROWAVES (RADAR) IN LIVING TISSUES	3369
MICROWAVE	HEATING EFFECT ON THE DOG THYROID GLAND	1429
THE	HEATING EFFECTS OF MICROWAVES WITH AND WITHOUT ISCHEMIA	0666
OPERATING HIGH-FREQUENCY INDUCTION	HEATING EQUIPMENT (IN RUSSIAN)	1842
ERATURE DISTRIBUTION WITH MICROWAVE	HEATING FOR A TWO-LAYER MODEL OF A BIOLOGICAL OBJECT	0626
MATERIALS FOR SELECTIVE TISSUE	HEATING IN A RADIOFREQUENCY EM FIELD FOR THE COMBINED CHEMOTHERMAL	1240
MICROWAVE	HEATING IN ANIMALS AT 3.0 GHZ	2152
OF 27.12-MHZ SHORT-WAVE DIATHERMIC	HEATING IN EXPERIMENTAL TUMORS	0036
PPLICATOR FOR EFFECTIVE DEEP-TISSUE	HEATING IN HUMANS	0049
MORTALITY AND INTERNAL	HEATING IN RADIOFREQUENCY-TREATED LARVAE OF TENEBRIO MOLITOR	0962
LABELLED MICROSPHERES BY MICROWAVE	HEATING IN TISSUES OF HYPOTHERMIC DOGS	0434
	HEATING OF BIOLOGICAL TISSUE IN THE INDUCTION FIELD OF PORTABLE RA	3151
DIFFERENTIAL	HEATING OF CELL-TYPES BY ABSORPTION OF MAGNETIC ENERGY	2328
SELECTIVE	HEATING OF CUTANEOUS HUMAN TUMORS AT 27.12 MHZ	0048
M TEM APPLICATOR FOR DIRECT-CONTACT	HEATING OF DIELECTRICALLY ENCAPSULATED MALIGNANT MOUSE TUMOR	2739
	HEATING OF FAT-MUSCLE LAYERS BY ELECTROMAGNETIC AND DIATHERMY	3374
MICROWAVE	HEATING OF MALIGNANT MOUSE TUMORS AND TISSUE EQUIVALENT PHANTOM SY	1116
EFFECT OF MICROWAVE	HEATING OF PRECOOKED CHICKEN ON CLOSTRIDIUM PERFRINGENS	2501
MICROWAVE	HEATING OF SIMULATED HUMAN LIMBS BY APERTURE SOURCES	2948
MICROWAVE RADIATION (MR)	HEATING OF SURFACE TUMORS	2322
MICROWAVE	HEATING OF THE UTERINE WALL DURING PARTURITION	0467
MICROWAVE	HEATING OF THE UTERINE WALL DURING PARTURITION	3391
CE COOLING AND BLOOD FLOW ON THE EM	HEATING OF TISSUE	2451
-CONTACT APPLICATOR FOR THERAPEUTIC	HEATING OF TISSUES	0045
UES IN MICROWAVE AND RADIOFREQUENCY	HEATING OF TISSUES	2699
BOLUS FOR MICROWAVE	HEATING OF TISSUES	0154
MULTI-CHANNEL SYSTEM FOR MICROWAVE	HEATING OF TISSUES	0422
HERAPY BY SELECTIVE ELECTROMAGNETIC	HEATING OF TUMORS	3393

SELECTIVE EM	HEATING OF TUMORS IN ANIMALS IN DEEP HYPOTHERMIA	1957
RADIOFREQUENCY	HEATING OF TUMOURS IN RODENTS	2460
FFECT OF CONVENTIONAL AND MICROWAVE	HEATING ON PSEUDOMONAS PUTREFACIENS, STREPTOCOCCUS FAECALIS AND LA	2693
ICROWAVE RADIATION AND CONVENTIONAL	HEATING ON THE REPRODUCTIVE CAPACITY OF DROSOPHILA MELANOGASTER	2925
ELECTROMAGNETIC FIELDS AND RELATIVE	HEATING PATTERNS DUE TO A RECTANGULAR APERTURE SOURCE IN DIRECT CO	2947
MICROWAVE	HEATING PATTERNS IN SIMPLE TISSUE MODELS	2705
	HEATING PATTERNS PRODUCED IN HUMANS BY 433.92 MHZ ROUND FIELD APPL	1325
COMPARISON OF RELATIVE	HEATING PATTERNS PRODUCED IN TISSUES BY EXPOSURE TO MICROWAVE ENER	3329
THE DISTRIBUTION OF	HEATING POTENTIAL INSIDE LOSSY SPHERES	1209
A MICROWAVE	HEATING SYSTEM FOR IMPROVING TEMPERATURE UNIFORMITY IN HEATED TISS	0238
THE USE OF MICROWAVE	HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE	1801
THE USE OF MICROWAVE	HEATING TO INACTIVATE CHOLINESTERASE IN THE RAT BRAIN PRIOR TO ANA	2518
OLUSING: A TECHNIQUE FOR IMPROVING	HEATING UNIFORMITY FOR MICROWAVE HYPERTHERMIA	2528
NONUNIFORM BIOPHYSICAL	HEATING WITH MICROWAVES	1528
INDUCED FIELDS AND	HEATING WITHIN A CRANIAL STRUCTURE IRRADIATED BY AN EM PLANE WAVE	0717
A COMPARATIVE	HEATING-PATTERN STUDY OF DIRECT-CONTACT APPLICATORS IN MICROWAVE D	2742
MICROWAVE DIATHERMY FOR DEEP-TISSUE	HEATING	0205
S IN SPHERES DUE TO ELECTROMAGNETIC	HEATING	0250
MICROWAVE	HEATING : A STUDY OF THE CRITICAL EXPOSURE VARIABLES FOR MAN AND EX	2913
OWAVE HALL MOBILITY MEASUREMENTS ON	HEAVY BEEF HEART MITOCHONDRIA	0684
EFFECTS OF	HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPER	0015
IOTHERAPY OF TUMORS--ALTERNATIVE TO	HEAVY PARTICLES?	0906
DIELECTRIC PROPERTIES OF WATER AND	HEAVY WATER	3439
THE DEPENDENCE OF THE ALBEDO ON THE	HEIGHT OF THE SUN AND ON CLOUDINESS	3452
KINEMATIC DESCRIPTION OF A	HELICAL FRAME OF REFERENCE SYSTEM IN THE SPECIAL THEORY OF RELATIV	0424
EXPERIMENTAL	HELIOBIOLOGY	1479
IAL OF GIANT NEURONS OF THE MOLLUSK	HELIX POMATIA (IN RUSSIAN)	2581
	HEMATOLOGIC EFFECTS IN MICE EXPOSED TO PULSED AND CW MICROWAVES	0206
STUDIES ON THE	HEMATOLOGIC EFFECTS OF LONG-TERM, LOW-DOSE MICROWAVE EXPOSURE	2398
CTURE OF THE CEREBRAL CORTEX AND ON	HEMATOLOGIC PROFILES OF RATS	2766
F THE EFFECTS OF EM ENERGIES ON THE	HEMATOLOGIC SYSTEM	2614
	HEMATOLOGICAL RESPONSE OF FETAL RATS FOLLOWING 2450 MHZ MICROWAVE	3387
ATER CONSUMPTION, BLOOD METABOLITE,	HEMATOLOGICAL , AND PATHOLOGICAL CHANGES	0957
M ENERGY (DIAPULSE) OF EXPERIMENTAL	HEMATOMAS	1828
0-MHZ EMR ON BODY WEIGHT, ACTIVITY,	HEMATOPOIESIS AND LIFE SPAN IN MICE	2037
KINETICS OF MOUSE	HEMATOPOIETIC COLONY-FORMING UNITS FOLLOWING INJURY BY 2450 MHZ MI	3386
THE EFFECT OF EMR ON THE	HEMATOPOIETIC STEM CELLS OF MICE	1075
UENCE OF MICROWAVE RADIATION ON THE	HEMATOPOIETIC SYSTEM	1278
FECT OF PERMANENT MAGNET[illegible] FIELD ON	HEMATOPOIETIC SYSTEM OF INTACT AND TUMOR-BEARING ANIMALS	0102
REA AND CORTEX OF RABBIT [illegible]EREBRAL	HEMISPHERES UNDER THE EFFECT OF BITEMPORAL DIATHERMY	1996
OGEN METABOLISM IN THE RAT CEREBRAL	HEMISPHERES	0429
	HEMODYNAMIC CHANGES IN INDIVIDUALS WORKING UNDER MICROWAVE IRRADIA	2010
	HEMODYNAMIC INDICES DURING THE ACTION OF SUPER-HIGH FREQUENCY ELEC	2560
EXACT ANALYSIS FOR CALCULATING	HEMODYNAMIC PARAMETERS IN UNSTEADY BLOOD FLOW IN ARTERIES IN PRESE	0017
RIC CARDIOVERSION ON THE INDICES OF	HEMODYNAMICS AND MYOCARDIUM CONTRACTILITY IN PATIENTS WITH AURICUL	1396
ISMS OF THE EFFECT OF MICROWAVES ON	HEMOGLOBIN	2308
EFFECTS OF MICROWAVES ON	HEMOGLOBIN	3123
EXTRACORPOREAL	HEMOLYSIS OF BLOOD IN A MICROWAVE BLOOD WARMER	0721
	HEMOLYSIS OF HUMAN ERYTHROCYTES BY A TRANSIENT ELECTRIC FIELD	2372
MBINED SHF AND GAMMA IRRADIATION ON	HEMOPOIESIS	1497
THE EFFECT OF UHF WAVES ON	HEMOPOIESIS (EXPERIMENTAL INVESTIGATION)	2006
VARIATIONS OF	HEMOPOIESIS DUE TO MICROWAVE RADIATION	1346
F REPAIR OF X-IRRADIATION DAMAGE OF	HEMOPOIETIC SYSTEM OF MICE BY MICROWAVES	2801
FFECT OF MICROWAVE RADIATION ON THE	HEMOPOIETIC SYSTEM OF THE RAT	2005
QUANTITATIVE RADIATION EFFECTS IN	HEMOPROTEINS AND THEIR CONSTITUENTS	3202
ION OF IONIZING RADIATION ON LAYING	HENS	0266
THE DEVELOPMENT OF A NEW METHOD OF	HEPATECTOMY BY RADIATION OF MICROWAVES	0919
S AND MICROWAVES ON THE FUNCTION OF	HEPATIC AND RENAL MITOCHONDRIA	1503
ES ON THE FUNCTION AND STRUCTURE OF	HEPATIC AND RENAL MITOCHONDRIA	1511
	HEPATIC BLOOD FLOW MEASUREMENT	1844
AN EXAMINATION OF REGENERATING	HEPATIC TISSUE FOLLOWING IN VIVO EXPOSURE TO R. F. RADIATION	0867
AN EXAMINATION OF REGENERATING	HEPATIC TISSUE SUBJECTED TO RADIO-FREQUENCY IRRADIATION	1270
NSIVE THERAPY OF SEVERE FORMS VIRAL	HEPATITIS	0013
EFFECTS OF EXPERIMENTAL TOXIC	HEPATITIS AND MICROWAVES ON THE FUNCTION OF HEPATIC AND RENAL MITO	1503
INFLUENCES WHICH CAN OR MAY CHANGE	HEREDITY	2867

REVIEW OF PHOTODYNAMIC THERAPY FOR	HERPES SIMPLEX: BENEFITS AND POTENTIAL RISKS	3130
DISINFESTING PROCESS	HERTZ ONLY INSECTS	1317
POTENTIAL HAZARDS OF	HERTZIAN RADIATION AND TUMORS	2374
	HETEROGENEITY OF THE REACTIONS OF NEURONS FROM DIFFERENT PARTS OF	0350
TED ELECTRIC FIELD PROBES IN FINITE	HETEROGENEOUS BIOLOGICAL BODIES	0051
ODOETHYL SALT OF GALLIUM AND TO THE	HEXAMETHYL IDONIUM SALT ON THE WHITE RAT (IN FRENCH)	0861
RIC FIELD IN ITS RELATIONSHIPS WITH	HIBERNATING SUBJECTS ON KERGUELEN (IN FRENCH)	2843
COMBINED EXPOSURE TO MICROWAVES AND	HIGH AIR TEMPERATURE	1455
LOW FREQUENCY VERTICAL ANTENNAS TO	HIGH ALTITUDE NUCLEAR ELECTROMAGNETIC PULSE (EMP)	3098
HOLOGIC CONSEQUENCES OF EXPOSURE TO	HIGH DENSITY PULSED EM ENERGY	2084
MEASUREMENTS OF MATERIALS WITH	HIGH DIELECTRIC CONSTANT AND CONDUCTIVITY AT ULTRAHIGH FREQUENCIES	3338
PPLICATION OF NONTHERMAL EFFECTS IN	HIGH DIELECTRIC MATERIALS TO MICROWAVE DOSIMETRY	1747
VISUAL OBSERVATION OF	HIGH DIELECTRIC RESONATOR MODES	3363
SOME EFFECTS OF	HIGH ELECTRICAL FIELDS ON BARLEY GROWTH	1978
STUDY OF THE ACTION OF EMR OF VERY	HIGH FREQUENCY (RADAR) ON THE CENTRAL NERVOUS SYSTEM OF THE WHITE	2628
PULSED	HIGH FREQUENCY AND ROUTINE HOSPITAL ANTIBIOTIC THERAPY IN THE MANA	1809
ND MICROWAVE DIATHERMIES AND PULSED	HIGH FREQUENCY CURRENT	2087
SIMULTANEOUS APPLICATION OF PULSED	HIGH FREQUENCY CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA CELLS	1281
THE LETHAL EFFECTS OF A	HIGH FREQUENCY ELECTRIC FIELD ON ESCHERICHIA COLI	3470
AMPLITUDE-MODULATED, VERY	HIGH FREQUENCY ELECTRIC FIELDS	2419
RODUCTION OF CONVULSIONS IN RATS BY	HIGH FREQUENCY ELECTRICAL CURRENTS	1991
TESTINE OF RATS UNDER THE ACTION OF	HIGH FREQUENCY ELECTROMAGNETIC FIELDS	0231
SMALL INTESTINE OF RATS EXPOSED TO	HIGH FREQUENCY ELECTROMAGNETIC FIELDS. (IN RUS.)	0146
ND PHANTOM MODELS OF MAN EXPOSED TO	HIGH FREQUENCY EM FIELDS	1740
LTING FROM OCCUPATIONAL EXPOSURE TO	HIGH FREQUENCY EM FIELDS (IN ITALIAN)	2395
POLLUTION CAUSED BY	HIGH FREQUENCY EM FIELDS (IN ITALIAN)	2396
POWER ABSORPTION IN MAN EXPOSED TO	HIGH FREQUENCY EM FIELDS BY THERMOGRAPHIC MEASUREMENTS ON SCALE MO	1246
	HIGH FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELE	1293
USE OF	HIGH FREQUENCY EM WAVES IN THE STUDY OF THERMOGENESIS	1110
INFLUENCE OF	HIGH FREQUENCY EMR ON THE SENSITIVITY TO PENTETRAZOL OF THE WHITE	0862
ATION HAZARDS CAUSED BY HIGH POWER,	HIGH FREQUENCY FIELDS	2979
ATION HAZARDS CAUSED BY HIGH POWER,	HIGH FREQUENCY FIELDS, VOL. 1	1424
ATION HAZARDS CAUSED BY HIGH POWER,	HIGH FREQUENCY FIELDS, VOL. 1	3519
ATION HAZARDS CAUSED BY HIGH POWER,	HIGH FREQUENCY FIELDS, VOL. 2	1425
GATION OF WORKING CONDITIONS DURING	HIGH FREQUENCY HEATING	1516
ROGRESS WITH ONCOLYSIS DUE TO LOCAL	HIGH FREQUENCY HYPERTHERMIA, LOCAL X-IRRADIATION AND APATHOGENIC C	0236
HAZARDS OF	HIGH FREQUENCY RADIATION	1001
CAL ACTIVITY ASSOCIATED WITH PULSED	HIGH FREQUENCY RADIATION (27.12MHZ)	2203
OR PERFORMED WITHIN THE RANGE OF EM	HIGH FREQUENCY RADIATION (IN POLISH)	2018
SURE OF LAB. PERSONNEL TO RADAR AND	HIGH FREQUENCY RADIO	0468
STUDIES ON THE BIOLOGICAL EFFECT OF	HIGH FREQUENCY RADIO WAVES (RADAR)	0476
STUDIES ON THE BIOLOGICAL EFFECT OF	HIGH FREQUENCY RADIO. WAVES (RADAR)	3330
Y ELECTOMAGNETIC FIELD IN THE SUPER	HIGH FREQUENCY RANGE ON THE COURSE OF ALLERGIC REACTIONS OF THE DE	0317
SITY ELECTROMAGNETIC FIELD OF ULTRA	HIGH FREQUENCY RANGE ON THE COURSE OF SLOW ALLERGIC REACTIONS. (IN	0344
E RAT DENTATE GYRUS FOLLOWING BRIEF	HIGH FREQUENCY STIMULATION	2857
A THREE-PHASE EVALUATION OF PULSED,	HIGH FREQUENCY, RADIO SHORT WAVES (DIAPULSE). 646 PATIENTS	1823
	HIGH GRADIENT MAGNETIC FIELD INHIBITS EMBRYONIC DEVELOPMENT OF FRO	2115
INFLUENCE OF MICROWAVE RADIATION AT	HIGH INTENSITIES	2258
CT OF SUPERHIGH FREQUENCY FIELDS OF	HIGH INTENSITIES ON THE BLOOD COAGULATION SYSTEM	1480
INFLUENCE OF MICROWAVE RADIATION AT	HIGH INTENSITIES ON THE ORGANISM	2256
EFFECT OF A	HIGH INTENSITY CONSTANT MAGNETIC FIELD ON PROLIFERATION OF EPITHEL	0065
C BRAIN AREAS IN RODENTS EXPOSED TO	HIGH INTENSITY FIELDS	1290
URE AND ENZYME HISTOCHEMISTRY AFTER	HIGH INTENSITY MICROWAVE IRRADIATION	0853
FAST FIXATION OF BRAIN IN SITU BY	HIGH INTENSITY MICROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL	1123
DOG THYROID BY LOCAL APPLICATION OF	HIGH INTENSITY MICROWAVES	2824
	HIGH INTENSITY RADIATION PRODUCES CONVULSIONS, DEATH IN MONKEY	0621
TION VELOCITY IN NERVE EXPOSED TO A	HIGH MAGNETIC FIELD	2565
ENZYME-SUBSTRATE REACTIONS IN VERY	HIGH MAGNETIC FIELDS. I	2118
THE DETECTION OF RF DAMAGE TO	HIGH MOLECULAR WEIGHT BIOPOLYMERS BY RAMAN SPECTROSCOPY	1609
MMERCIAL POWER MONITOR FOR USE WITH	HIGH POWER MICROWAVE GENERATORS, (FDA) 73-8010, BRH/DEP 73-1	3039
	HIGH POWER PULSE TRANSMITTERS	0825
THE EFFECTS OF	HIGH POWER PULSED AND LOW LEVEL CW MICROWAVE RADIATION ON AN OPERA	1310
LEVELS OF MICROWAVE RADIATION FROM	HIGH POWER SOURCES	1422
LEVELS OF MICROWAVE RADIATION FROM	HIGH POWER SOURCES	3251
UDIES OF RF BIOLOGICAL HAZARDS FROM	HIGH POWER TRANSMITTERS OPERATING IN THE HF BAND (SUMMARY)	3059

CALCULATED FIELD INTENSITIES NEAR A	HIGH POWER UHF BROADCAST INSTALLATION	0754
O STUDY RADIATION HAZARDS CAUSED BY	HIGH POWER, HIGH FREQUENCY FIELDS	2979
O STUDY RADIATION HAZARDS CAUSED BY	HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 1	1424
O STUDY RADIATION HAZARDS CAUSED BY	HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 1	3519
O STUDY RADIATION HAZARDS CAUSED BY	HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 2	1425
	HIGH SENSITIVITY EM LEAKAGE MONITORS	1147
BIOLOGICAL EFFECTS OF	HIGH STRENGTH ELECTRIC FIELDS ON SMALL LABORATORY ANIMALS	0431
EFFECTS OF PROLONGED	HIGH TEMPERATURE ON TESTICULAR DEVELOPMENT AND FERTILITY IN THE MA	2890
NICAL ALTERNATING ELECTRIC FIELD OF	HIGH TENSION ON THE ORGANISM (IN GERMAN)	2600
CAN	HIGH VOLTAGE CAUSE ENVIRONMENTAL HAZARDS? (IN NOR)	0318
	HIGH VOLTAGE ELECTRIC FIELD COUPLING TO HUMANS USING MOMENT METHOD	2186
IN ITALY BY ENEL ON THE EFFECTS OF	HIGH VOLTAGE ELECTRIC FIELDS	1589
BIOLOGICAL EFFECTS OF	HIGH VOLTAGE ELECTRIC FIELDS: BIBLIOGRAPHY AND SURVEY OF ONGOING W	2252
PSYCHOLOGICAL EFFECTS DUE TO EXTRA	HIGH VOLTAGE INSTALLATIONS	1217
MEDICAL FOLLOW-UP STUDY OF	HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS	1015
MEDICAL FOLLOW-UP STUDY OF	HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS	3012
ISSION--THE ENVIRONMENTAL IMPACT OF	HIGH VOLTAGE LINES	0668
	HIGH VOLTAGE LINES: HAZARD AT A DISTANCE	0084
TIPS ON HOW TO BEHAVE NEAR	HIGH VOLTAGE POWER LINES	3566
AND HEALTH RELATED SIDE EFFECTS OF	HIGH VOLTAGE POWER TRANSMISSION	3111
ING OVERVOLTAGE PROTECTION OF EXTRA	HIGH VOLTAGE POWER TRANSMISSIONS	3589
XPOSURE TO ELECTRIC FIELDS IN EXTRA	HIGH VOLTAGE SUBSTATIONS	1644
ICAL SIGNIFICANCE OF POWER LINE AND	HIGH VOLTAGE SWITCHYARD ENVIRONMENTS	3171
SSION LINE AND A PROPOSED 345 KV AC	HIGH VOLTAGE TRANSMISSION LINE	3167
AL EFFECTS OF A PROPOSED +400 KV DC	HIGH VOLTAGE TRANSMISSION LINE AND A PROPOSED 345 KV AC HIGH VOLTA	3167
AL FACTORS (MICROWAVE RADIATION AND	HIGH VOLTAGE TRANSMISSION LINE EFFECTS)	2369
HEALTH AND SAFETY OF	HIGH VOLTAGE TRANSMISSION LINES	0111
ENERGY FLUX ALONG	HIGH VOLTAGE TRANSMISSION LINES	1964
NTAL HEALTH EFFECTS ASSOCIATED WITH	HIGH VOLTAGE TRANSMISSION LINES	3168
EXTREMELY	HIGH VOLTAGE TRANSMISSION LINES HEALTH AND ENVIRONMENTAL EFFECTS	3239
THE EFFECTS OF	HIGH VOLTAGE TRANSMISSION LINES ON HONEYBEES: A FEASIBILITY STUDY	2545
BIOPHYSICAL ASPECTS OF	HIGH WAVELENGTH EMR (IN ITALIAN)	1792
REGULATIONS FOR HANDLING SOURCES OF	HIGH , ULTRAHIGH, AND SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELDS	3109
CEPTS CONCERNING THE APPLICATION OF	HIGH- FREQUENCY CURRENTS UPON LIVING ORGANISMS	1822
TAL OBSERVATIONS OF THE EFFECT OF A	HIGH- FREQUENCY EM FIELD IN VIVO AND IN VITRO	2577
CTION OF ULTRASONIC SOUND AND SUPER	HIGH- FREQUENCY EM FIELDS IN THE THREE-CENTIMETER RANGE	2051
O THE ACTION OF LOCAL VIBRATION AND	HIGH- FREQUENCY EMR (IN RUSSIAN)	2073
ERIVING FROM EMR IN THE VICINITY OF	HIGH- POWER TRANSMITTERS (IN GERMAN)	2712
HEAT TREATMENT OF METALS BY MEDIUM-	HIGH-FREQUENCY CURRENTS (IN RUM)	3409
URETHRAL RESECTION OF PROSTATE WITH	HIGH-FREQUENCY CURRENTS (IN GERMAN)	2642
	HIGH-FREQUENCY DIELECTRIC PROCESSES IN LIQUIDS	3250
A SPECIFIC EFFECT OF	HIGH-FREQUENCY ELECTRIC CURRENTS ON BIOLOGICAL OBJECTS	0544
OR ACTIVITY FOLLOWING EXPOSURE TO A	HIGH-FREQUENCY ELECTRIC FIELD	1853
THE NATURE OF THE EFFECT OF A	HIGH-FREQUENCY ELECTRIC FIELD UPON PARAMOECIUM	3464
BEHAVIOUR OF HUMAN ERYTHROCYTES IN	HIGH-FREQUENCY ELECTRIC FIELDS AND ITS RELATION TO THEIR AGE	1692
EFFECTS OF	HIGH-FREQUENCY ELECTRIC FIELDS ON THE LIVING CELL, I. BEHAVIOUR OF	1692
HOSPHOLIPID MEMBRANES IRRADIATED BY	HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)	0002
HOSPHOLIPID MEMBRANES IRRADIATED BY	HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)	3433
A MECHANISM FOR	HIGH-FREQUENCY ELECTROMAGNETICAL FIELD-INDUCED BIOLOGICAL DAMAGE?	0262
EFFECT OF	HIGH-FREQUENCY EM FIELD UPON HAEMOPOIETIC STEM CELLS IN MICE	0735
LOPMENT OF NEONATAL MICE EXPOSED TO	HIGH-FREQUENCY EM FIELDS	0743
INFLUENCE OF SUPER	HIGH-FREQUENCY EM FIELDS ON THE CAPILLARY BED, PARENCHYMA, AND SOM	1502
EFFECT OF	HIGH-FREQUENCY EM OSCILLATIONS IN ASSOCIATION WITH TASHKENT MINERA	1835
THERMAL RESPONSES TO	HIGH-FREQUENCY EMR FIELDS	1779
IZING THE STRUCTURE OF AN EXTREMELY	HIGH-FREQUENCY FIELD	1716
ATION HAZARDS CAUSED BY HIGH-POWER,	HIGH-FREQUENCY FIELDS	3509
POWER DEPOSITION IN MAN EXPOSED TO	HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PHYSIOLOGIC C	0811
	HIGH-FREQUENCY FIELDS IN SOLENOIDAL COILS	3311
EFFECT OF	HIGH-FREQUENCY FIELDS ON MICRO-ORGANISMS	1899
	HIGH-FREQUENCY HYPERTHERMIA IN CARCINOMA OF THE URINARY BLADDER: E	0216
THE INFLUENCE OF A	HIGH-FREQUENCY HYPERTHERMIA ON THE EHRLICH'S-ASCITES CARCINOMA IN	1187
PROTECTION OF WORKERS OPERATING	HIGH-FREQUENCY INDUCTION HEATING EQUIPMENT (IN RUSSIAN)	1842
THE EFFECTS OF PULSED,	HIGH-FREQUENCY RADIO WAVES ON THE RATE OF OSTEOGENESIS IN THE HEAL	0993
GALLOPING OF PACEMAKER DURING	HIGH-FREQUENCY THERAPY (IN GERMAN)	2586
BIOLOGICAL EFFECTS OF	HIGH-INTENSITY 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT	2791

EFFECT OF A	HIGH-INTENSITY MAGNETIC FIELD ON ENZYMATIC HYDROLYSIS OF NUCLEIC A	1558
PROLONGATION OF LIFE DURING	HIGH-INTENSITY MICROWAVE EXPOSURES	0715
S OF THE ORGANISM UNDER EXPOSURE TO	HIGH-INTENSITY MICROWAVE FIELDS	2257
RODENT BRAIN ENZYMES IN VIVO USING	HIGH-INTENSITY MICROWAVE IRRADIATION	0387
A MICRORADIOMETER FOR STUDYING	HIGH-INTENSITY RADIATION FIELD STRUCTURES	1708
THE MEASUREMENT OF PERMITTIVITY OF	HIGH-LOSS LIQUIDS AT MICROWAVE FREQUENCIES USING AN UNMATCHED PHAS	3336
AL SYMPTOMS USING NONTHERMAL PULSED	HIGH-PEAK-POWER EM ENERGY	1810
EFFECT OF	HIGH-POWER DENSITY MICROWAVE IRRADITION ON SOLUBLE PROTEINS OF THE	0179
STUDIES OF BIOLOGICAL HAZARDS FROM	HIGH-POWER HF BAND TRANSMITTERS	1527
	HIGH-POWER MICROWAVE TUBES	0833
RADIATION HAZARDS CAUSED BY	HIGH-POWER , HIGH-FREQUENCY FIELDS	3509
A MINIATURE	HIGH-Q BANDPASS FILTER EMPLOYING DIELECTRIC RESONATORS	3353
EFFECTS OF A	HIGH-TENSION ELECTRIC FIELD ON THE SECRETION OF ANTIDIURETIC HORMO	1182
AL EFFECT OF THE ELECTRIC FIELDS OF	HIGH-TENSION LINES ON MAN (IN GERMAN)	2406
THE EFFECT OF A DISCHARGE OF A	HIGH-VOLTAGE CONDENSER ON THE OPTIC PROPERTIES OF THE FROG CARDIAC	1398
HEALTH CONDITIONS OF WORKERS IN	HIGH-VOLTAGE ELECTRIC FIELDS	3067
	HIGH-VOLTAGE POWER LINES AND HUMAN HEALTH	0030
ELEVATION IN RAT BRAIN	HISTAMINE CONTENT AFTER FOCUSED MICROWAVE IRRADIATION	2591
ED WITH ACETYLCHOLINE, EPINEPHRINE,	HISTAMINE OR SEROTONIN AND EXPOSED TO ACUTE MICROWAVE IRRADIATION	0355
S AND X-RAYS ON THE PERMEABILITY OF	HISTO-HEMATIC BARRIERS	1489
H MICROWAVES ON THE PERMEABILITY OF	HISTO-HEMATIC BARRIERS	1501
CHANGES IN PERMEABILITY OF	HISTO-HEMATIC BARRIERS UNDER THE EFFECT OF MICROWAVES	1992
	HISTOCHEMICAL AND ULTRASTRUCTURAL ANALYSIS OF THE EFFECT OF EMR ON	2356
HISTOLOGICAL AND	HISTOCHEMICAL EFFECT OF MICROWAVE IRRADIATION ON THE CENTRAL NERVO	1492
OX ENZYMES IN THE ALBINO RAT LIVER (	HISTOCHEMICAL INVESTIGATION)	2054
BRAIN TEMPERATURE AND ENZYME	HISTOCHEMISTRY AFTER HIGH INTENSITY MICROWAVE IRRADIATION	0853
	HISTOLOGICAL AND HISTOCHEMICAL EFFECT OF MICROWAVE IRRADIATION ON	1492
	HISTOLOGICAL OBSERVATIONS ON CENTRAL NERVOUS SYSTEM	2170
QUANTITATIVE	HISTOLOGICAL STUDIES ON EFFECTS OF MICROWAVE RADIATIONS ON TISSUES	2552
	HISTOMORPHOLOGICAL INVESTIGATION OF REGENERATION OF WOUNDS IN ANIM	1519
	HISTOPATHOLOGIC CHANGES IN RAT LIVER FOLLOWING 2450 MHZ MICROWAVE	1314
A	HISTOPATHOLOGIC STUDY ON THE EFFECT OF RADIOFREQUENCY THERMOTHERAP	0107
	HISTOPATHOLOGICAL CHANGES DURING DEVELOPMENT OF MICROWAVE CATARACT	2683
ON RATE IN MICE CONFINED IN A SMALL	HOLDER DURING EXPOSURE TO 2450 MHZ MICROWAVE RADIATION	2821
MICROWAVE	HOLOGRAMS USING LIQUID CRYSTAL DISPLAYS	3361
	HOLOGRAPHIC ASSESSMENT OF A HYPOTHESIZED MICROWAVE HEARING MECHANI	0302
A	HOLOGRAPHIC INTERFEROMETER FOR MEASURING RADIATION ENERGY DEPOSITI	3301
MICROWAVE	HOLOGRAPHY USING LIQUID CRYSTAL AREA DETECTORS	3362
OPTICAL FILM SENSORS FOR RF	HOLOGRAPHY	3359
ENERGY DEPOSITION IN	HOMEGENEOUS AND MULTILAYER TISSUE SPHERES AND EFFECT OF CIRCULATIO	2447
ANIMAL MIGRATION, NAVIGATION, AND	HOMING	0003
MAGNETS INTERFERE WITH PIGEON	HOMING	2109
SENSITIVITY OF THE	HOMING PIGEON TO AN EARTH-STRENGTH MAGNETIC FIELD	2371
LD DETECTION BY MIGRATORY BIRDS AND	HOMING PIGEONS	2511
ORIENTATION OF	HOMING PIGEONS (COLUMBIA LIVIA) EXPOSED TO EM FIELDS AT PROJECT SA	1755
ORIENTATION OF	HOMING PIGEONS ALTERED BY A CHANGE IN THE DIRECTION OF AN APPLIED	1021
ORIENTATION OF	HOMING PIGEONS EXPOSED TO THE EM FIELDS AT PROJECT SANGUINE'S WISC	1767
MINATION OF THE REQUIREMENTS ON THE	HOMOGENEITY OF THE ELECTRIC FIELD IN THE VOLUME OF BIOLOGIC MATTER	0276
BIOLOGICAL MEMBRANES ORIENTED IN A	HOMOGENEOUS MAGNETIC FIELD	1605
EFFECT OF	HOMOGENEOUS MAGNETIC FIELD ON RED BLOOD CELLS: A CELL ELECTROPHORE	0117
EM FIELDS IN A	HOMOGENEOUS MODEL OF MAN	2319
HIGH VOLTAGE TRANSMISSION LINES ON	HONEYBEES : A FEASIBILITY STUDY	2545
	HOPPING LOSSES IN POLARISABLE DIELECTRIC MEDIA	0750
TIAL AND BODY CURRENT NEAR A BURIED	HORIZONTAL BARE CONDUCTOR IN A TWO-LAYER EARTH	1635
INTERFERENCE PATTERNS OF A	HORIZONTAL ELECTRIC DIPOLE OVER LAYERED DIELECTRIC MEDIA	0748
REACTIONS OF THE	HORMONAL LINK OF THE SYMPATHO-ADRENAL SYSTEM TO SINGLE EXPOSURE TO	1230
THE NEURAL AND	HORMONAL RESPONSE TO MICROWAVE STIMULATION OF PERIPHERAL NERVES	1540
LD ON THE SECRETION OF ANTIDIURETIC	HORMONE IN RATS	1182
IMMUNOREACTIVE LUTEINIZING	HORMONE RELEASING FACTOR IN PITUITARY STALK BLOOD FROM FEMALE RATS	0635
ULATION NEAR-ZONE GAIN OF PYRAMIDAL	HORN ANTENNAE, BRH/DEP N71-3	3041
ABSOLUTE GAIN MEASUREMENTS FOR	HORN ANTENNAS	3291
OF AN ADDITIONAL MAGNETIC FIELD ON	HORNET NEST ARCHITECTURE	2461
ON THE COMB BUILDING ORIENTATION OF	HORNETS	0304
DESIGN OF MICROWAVE GAIN-STANDARD	HORNS	3447

REMENTS OF STANDARD ELECTROMAGNETIC	HORNS	3568
OF 2450 MHZ MICROWAVE RADIATION ON	HORSERADISH PEROXIDASE	0923
PULSED HIGH FREQUENCY AND ROUTINE	HOSPITAL ANTIBIOTIC THERAPY IN THE MANAGEMENT OF PELVIC INFLAMMATO	1809
REQUENCY E-FIELD STRENGTHS WITHIN A	HOSPITAL DURING A 16-MONTH PERIOD	1113
SPERM DON'T LIKE IT	HOT	1198
POWER LINE POLLUTION - A	HOT ISSUE	3564
EFFECTS OF MICROWAVES: LOCAL '	HOT SPOT' HEATING BY MICROWAVES	1264
	HOT SPOTS GENERATED IN CONDUCTING SPHERES BY EM WAVES AND BIOLOGIC	0803
FORMATION OF	HOT SPOTS IN MULTILAYER SPHERES	1208
HEAT IN MALE CONTRACEPTION (	HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROWAVE, AND ULTRASOUND)	0932
MAGNETIC TREATMENT OF WATER IN THE	HOT WATER SUPPLY SYSTEM (IN RUSSIAN)	2603
CE (1972) 92D CONGRESS, 2D SESSION,	HOUSE DOCUMENT NO. 92-334	2987
HE CIRCADIAN ACTIVITY RHYTHM OF THE	HOUSE SPARROW, PASSER DOMESTICUS	2163
(50 HZ) FIELD AND THE ORGANISM OF A	HUMAN AND AN ANIMAL. (IN ENG.)	0165
LD OF INDUSTRIAL FREQUENCY WITH THE	HUMAN AND ANIMAL BODY	3411
RF RADIATION ABSORPTION PATTERNS:	HUMAN AND ANIMAL MODELING DATA	2792
ERGY OF INDUSTRIAL FREQUENCY ON THE	HUMAN AND ANIMAL NERVOUS SYSTEM	2711
ORIENTATION OF	HUMAN AND AVIAN ERYTHROCYTES IN RADIO-FREQUENCY FIELDS	1728
	HUMAN AUDITORY SYSTEM RESPONSE TO LOWER POWER DENSITY, PULSE MODUL	1135
	HUMAN AUDITORY SYSTEM RESPONSE TO MODULATED EM ENERGY	1031
ING ELECTRIC AND MAGNETIC FIELDS ON	HUMAN BEINGS	1587
LUCOSE-6-PHOSPHATE DEHYDROGENASE IN	HUMAN BLOOD	1982
EM CONTROLLED ENERGY ON VIRUSES IN	HUMAN BLOOD	2515
LECTRIC BEHAVIOUR OF PURE WATER AND	HUMAN BLOOD AT MICROWAVE FREQUENCIES	0464
OF 2450 MHZ MICROWAVE RADIATION ON	HUMAN BLOOD COAGULATION PROCESSES	0676
INDUCED EM FIELDS INSIDE	HUMAN BODIES IRRADIATED BY EM WAVES OF UP TO 500 MHZ	2796
LECTRICAL FIELD DISTRIBUTION IN THE	HUMAN BODY	0869
ELECTRICAL IMPEDANCE OF THE	HUMAN BODY	0996
NDUCED BY EM FIELDS IN A MODEL OF A	HUMAN BODY	2732
THE EFFECTS OF RADAR ON THE	HUMAN BODY (RESULTS OF RUSSIAN STUDIES ON THE SUBJECT)	1203
NATING ELECTRIC CURRENT THROUGH THE	HUMAN BODY AT POWER-TRANSMISSION FREQUENCIES	3017
ELECTRICAL IMPEDANCE OF THE	HUMAN BODY FOR HF (2-30 MHZ) BAND (INITIAL RESULTS)	2142
DIELECTRIC PROPERTIES OF THE	HUMAN BODY FOR WAVE-LENGTHS IN THE 1-10 CM. RANGE	0474
DIELECTRIC PROPERTIES OF THE	HUMAN BODY IN THE MICROWAVE REGION OF THE SPECTRUM	0475
NCE AND RADIATION EFFICIENCY OF THE	HUMAN BODY IN THE RESONANCE REGION	3528
NUMERICAL THERMAL SIMULATION OF THE	HUMAN BODY WHEN ABSORBING NON-IONIZING MICROWAVE IRRADIATION--WITH	2191
UALLY EVOKED MAGNETIC FIELDS OF THE	HUMAN BRAIN	2099
LY VISUAL EXPERIENCE CAN MODIFY THE	HUMAN BRAIN	3022
PROSPECTS FOR HYPERTHERMIA IN	HUMAN CANCER THERAPY, PART I: HYPERTHERMIC EFFECTS IN MAN AND SPON	2063
THE SENSITIVITY OF PORTIONS OF THE	HUMAN CENTRAL NERVOUS SYSTEM TO 'SAFE' LEVELS OF MICROWAVE RADIATI	1929
RONIZATION AND RESYNCHRONIZATION OF	HUMAN CIRCADIAN RHYTHMS	0673
LOW-LEVEL, LOW-FREQUENCY FIELDS ON	HUMAN CIRCADIAN RHYTHMS	2420
ELF-EFFECTS ON	HUMAN CIRCADIAN RHYTHMS	2651
	HUMAN CIRCADIAN RHYTHMS UNDER THE INFLUENCE OF WEAK ELECTRIC FIELD	2123
THE EFFECT OF HYPERTHERMIA ON	HUMAN COLON CANCER XENOGRAFTS IN NUDE MICE	0337
ANATOMICAL LOCALIZATION OF	HUMAN DETECTION OF WEAK EMR: EXPERIMENTS WITH DOWSERS	0155
AND IMPLICATIONS FOR RESEARCH INTO	HUMAN DISEASE	2889
HE GENERATOR OF ALPHA RHYTHM IN THE	HUMAN ELECTROENCEPHALOGRAM	0731
-FREQUENCY AND MICROWAVE EFFECTS ON	HUMAN ELECTROENCEPHALOGRAM AND BEHAVIOR	0132
	HUMAN ENGINEERING APPLICATIONS AS RELATED TO PERSONNEL PROTECTION	1569
ING OF PORES OF CONTROLLED SIZES IN	HUMAN ERYTHROCYTE MEMBRANE	2297
CROWAVES ON K+ AND NA+ TRANSPORT IN	HUMAN ERYTHROCYTES	1458
HEMOLYSIS OF	HUMAN ERYTHROCYTES BY A TRANSIENT ELECTRIC FIELD	2372
ON THE LIVING CELL. I. BEHAVIOUR OF	HUMAN ERYTHROCYTES IN HIGH-FREQUENCY ELECTRIC FIELDS AND ITS RELAT	1692
	HUMAN ERYTHROCYTES IN HIGH-FREQUENCY ELECTRIC FIELDS AND ITS RELAT	
	HUMAN EXPOSURE TO NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AN	0534
	HUMAN EXPOSURE TO NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AN	3217
RADIOFREQUENCY SAFETY STANDARDS FOR	HUMAN EXPOSURE	0439
IBRATIONS OF THE OCULAR LENS IN THE	HUMAN EYE	0114
A MODEL OF THE MICROWAVE-IRRADIATED	HUMAN EYE	1043
AL EFFECT OF MICROWAVE RADIATION ON	HUMAN EYES	2151
ELECTRICAL STIMULATION OF	HUMAN FRACTURE HEALING BY MEANS OF A SLOW PULSATING, ASYMMETRICAL	2784
FFECTS OF RADIO-FREQUENCY ENERGY ON	HUMAN GAMMA GLOBULIN	2952
HIGH-VOLTAGE POWER LINES AND	HUMAN HEALTH	0030
HE EFFECT OF 2450 MHZ MICROWAVES ON	HUMAN IMMUNOGLOBULIN G	3032
MICROWAVE HEATING OF SIMULATED	HUMAN LIMBS BY APERTURE SOURCES	2948

THE EFFECTS OF MICROWAVES ON	HUMAN LYMPHOCYTE CULTURES	1259
THE EFFECTS OF MICROWAVES ON	HUMAN LYMPHOCYTE CULTURES	2317
HERMAL RADIO FREQUENCY RADIATION ON	HUMAN LYMPHOCYTES IN VITRO	0692
	HUMAN MAGNETIC AUDITORY EVOKED FIELDS	0187
THE	HUMAN MAGNETOENCEPHALOGRAM: SOME EEG AND RELATED CORRELATIONS	2462
SINGLE NEURON ANALYSIS OF THE	HUMAN MIDBRAIN TEGMENTUM	3394
ATION AND IONIZING RADIATION ON THE	HUMAN ORGANISM	0228
EFFECTS OF ELECTRIC CURRENTS ON THE	HUMAN ORGANISM (IN ITALIAN)	2626
EFFECT OF STATIC ELECTRICITY ON THE	HUMAN ORGANISM UNDER THE CONDITIONS PREVAILING IN THE CITY OF FRUN	2076
	HUMAN PERCEPTION OF ILLUMINATION WITH PULSED UHF EM ENERGY	0479
	HUMAN PERCEPTION OF MODERATE STRENGTH LOW FREQUENCY MAGNETIC FIELD	1657
	HUMAN PERCEPTION OF MODERATE STRENGTH LOW FREQUENCY MAGNETIC FIELD	2813
LY LOW FREQUENCY MAGNETIC FIELDS ON	HUMAN PERFORMANCE: A PRELIMINARY STUDY	1322
ON IN MONKEYS, MONKEY PHANTOMS, AND	HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	1778
ON IN MONKEYS, MONKEY PHANTOMS, AND	HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	2190
MEASUREMENTS OF POWER ABSORPTION BY	HUMAN PHANTOMS IMMERSED IN RADIO-FREQUENCY FIELDS	1100
ONS OF POWER ABSORBED BY MONKEY AND	HUMAN PROLATE SPHEROIDAL PHANTOMS IN AN IRRADIATION CHAMBER	2193
L, LOW FREQUENCY ELECTRIC FIELDS ON	HUMAN REACTION TIME	1032
	HUMAN RESPONSE TO VERY-LOW-FREQUENCY EM ENERGY	1033
	HUMAN RESPONSES TO MICROWAVE IRRADIATION-A REVIEW AND EVALUATION O	3529
MICROWAVES AND	HUMAN SAFETY, PART I	1640
MICROWAVES AND	HUMAN SAFETY, PART II	1641
ECTS OF 2.8 GHZ MICROWAVES ON THREE	HUMAN SERUM ENZYMES	1815
PENS WHEN RADIO WAVES PENETRATE THE	HUMAN SKIN	1267
T OF POST-RADIATION HYPERTHERMIA ON	HUMAN SKIN AND TUMOR RESPONSE	2341
MICROWAVE ABSORPTION OF LIVING	HUMAN SKIN BETWEEN 8 AND 96 GHZ	1690
	HUMAN SKIN BURNS INDUCED BY DEFIBRILLATOR DEFAULT CURRENT	1873
NCE ABSORPTION OF MICROWAVES BY THE	HUMAN SKULL	1704
MICROWAVE THERAPY IN THE THIGHS OF	HUMAN SUBJECTS	1157
COUPLING OF 915 MHZ OVEN LEAKAGE TO	HUMAN SUBJECTS BY THERMOGRAPHIC STUDIES ON PHANTOM MODELS	1153
SOME EFFECTS ON	HUMAN SUBJECTS OF UHF RADIATION	0601
	HUMAN SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS	2485
IMPACT OF RADAR IRRADIATION ON	HUMAN SYSTEMS	0857
IONSHIP BETWEEN TYPICAL SOURCES AND	HUMAN TARGETS	0504
	HUMAN THERMAL LOADING BY EXPOSURE TO EMISSIONS FROM A MICROWAVE OV	1151
OWAVE POWER TRANSMITTED THROUGH THE	HUMAN THORAX	0290
	HUMAN THRESHOLDS OF ELECTRIC SHOCK AT POWER TRANSMISSION FREQUENCI	2022
BIBLIOGRAPHY ON SAFE	HUMAN THRESHOLDS TO EXTRA-LOW-FREQUENCY ELECTRIC CURRENT	0510
ELECTRICAL SUBSTITUTES FOR	HUMAN TISSUE	3349
MINARY REPT.: MICROWAVE FIXATION OF	HUMAN TISSUES	0908
EMENT OF SOME THERMAL PROPERTIES OF	HUMAN TISSUES	3514
ELECTRIC BEHAVIOUR OF SOME TYPES OF	HUMAN TISSUES AT MICROWAVE FREQUENCIES	0463
ELECTRICAL PARAMETER VALUES OF SOME	HUMAN TISSUES IN THE RADIOFREQUENCY RADIATION RANGE	0310
INVESTIGATION OF HEAT PRODUCTION IN	HUMAN TISSUES WHEN EXPOSED TO MICROWAVES	0465
	HUMAN TOLERANCE TO LOCAL INFRARED IRRADIATION	0730
MICROWAVE RADIATION AND	HUMAN TOLERANCE: A REVIEW	0598
AND ABSORBED POWER DENSITY INSIDE A	HUMAN TORSO	1795
.7-GHZ MICROWAVE ATTENUATION IN THE	HUMAN TORSO	2538
D AND ABSORBED POWER DENSITY INSIDE	HUMAN TORSOS BY 1 TO 500 MHZ EM WAVES	1608
MICROWAVE CHARACTERISTICS OF	HUMAN TUMOR CELLS	0807
MICROWAVE CHARACTERISTICS OF	HUMAN TUMOR CELLS	3262
SELECTIVE HEATING OF CUTANEOUS	HUMAN TUMORS AT 27.12 MHZ	0048
EVICE FOR MICROWAVE HYPERTHERMIA OF	HUMAN TUMORS	0329
CRITICAL ASPECTS OF	HUMAN VERSUS TERRESTRIAL EM SYMBIOSIS	2173
AC ELECTRIC FIELD APPLICATION UPON	HUMAN VISUAL THRESHOLD	2154
ZARD EXPERIMENT GETS UNDERWAY USING	HUMAN VOLUNTEERS	0681
ER OF CENTIMETER AND METER WAVES ON	HUMAN 'S HEALTH	0939
VE-INDUCED INJURIOUS EFFECTS ON THE	HUMAN- EMBRYO IN UTERO	3422
OR EFFECTIVE DEEP-TISSUE HEATING IN	HUMANS	0049
L EFFECTS OF MICROWAVE RADIATION IN	HUMANS	0568
MICROWAVE LENS EFFECTS IN	HUMANS	1000
ECTS OF 50 HZ ALTERNATING FIELDS ON	HUMANS	1177
RETATION OF MAGNETOCARDIOGRAMS FROM	HUMANS	2102
AUDITORY THRESHOLD OF	HUMANS	2324
UM-90 AND OTHER FISSION PRODUCTS IN	HUMANS	3178

NONIONIZING RADIATIONJURY OF	HUMANS	3437
ONS OF PROLATE SPHEROIDAL MODELS OF	HUMANS AND ANIMALS	0301
ACTION WITH THE AUDITORY SYSTEMS OF	HUMANS AND CATS	1046
ATION OF THE CENTRAL GRAY MATTER IN	HUMANS AND ITS REVERSAL BY NALOXONE	2858
CONDUCTOR AND DIELECTRIC MODELS OF	HUMANS AND MONKEYS AT RADIO FREQUENCIES	2737
HEATING PATTERNS PRODUCED IN	HUMANS BY 433.92 MHZ ROUND FIELD APPLICATOR AND 915 MHZ CONTACT AP	1325
FUNCTIONAL CHANGES IN HEALTHY	HUMANS EXPOSED TO LOW- INTENSITY MICROWAVE FIELDS	2262
ING TO THE PHYSIOLOGICAL EFFECTS ON	HUMANS OF NONIONIZING ELECTROMAGNETIC RADIATION	2907
VOLTAGE ELECTRIC FIELD COUPLING TO	HUMANS USING MOMENT METHOD TECHNIQUES	2186
MICROWAVE LENS EFFECTS IN	HUMANS , PART II: RESULTS OF FIVE-YEAR SURVEY	0925
L EFFECTS OF MICROWAVE RADIATION IN	HUMANS	3234
RD FOR MICROWAVE RADIATION SAFE FOR	HUMANS ?	0560
	HUMORAL IMMUNITY OF JAPANESE QUAIL SUBJECTED TO MICROWAVE RADIATIO	2589
RF HAZARDS: WHAT WE DON'T KNOW CAN	HURT ELEMENTS, METALLOPROTEINES AND SOME INDICATORS OF OXIDATION-	2348
ELECTROMAGNETIC POLLUTION: IS IT	HURTING OUR HEALTH?	2612
L AND BIOLOGICAL EFFECTS RELATED TO	HVDC TRANSMISSION	0300
A	HYBRID FERRIMAGNETIC-DIELECTRIC MICROWAVE FILTER	3352
DIELECTRIC PROPERTIES OF	HYDRATED COLLAGEN	0010
MOISTURE CONTENT AND POST-RADIATION	HYDRATION	1961
ESTIMATION OF PROTEIN	HYDRATION BY DIELECTRIC MEASUREMENTS AT MICROWAVE FREQUENCIES	0489
ASSESSMENT OF CEREBROVASCULAR	HYDRAULIC INPUT IMPEDANCE	1883
TENSITY MAGNETIC FIELD ON ENZYMATIC	HYDROLYSIS OF NUCLEIC ACIDS	1558
ELD-INDUCED TRANSPORT MECHANISMS IN	HYDROXYAPATITE	2231
HOUR URINARY EXCRETION OF SEVENTEEN	HYDROXYCORTICOIDS AND SEVENTEEN KETOSTEROIDS	1133
FFECT OF MICROWAVES IN OCCUPATIONAL	HYGIENE	2250
TORS FROM THE POINT OF VIEW OF WORK	HYGIENE	3441
SAFETY AND	HYGIENE (RADIOFREQUENCY-MICROWAVE)	2999
STUDIES IN THE FIELD OF INDUSTRIAL	HYGIENE AND THE BIOLOGICAL EFFECT OF EM RADIOFREQUENCY WAVES	1338
ESTIGATIONS ON THE PROBLEMS OF WORK	HYGIENE AND THE BIOLOGICAL EFFECTS OF RADIOFREQUENCY EM WAVES	1435
INDUSTRIAL	HYGIENE PROBLEMS OF WORKING WITH ULTRA-SHORT-WAVE TRANSMITTERS USE	2556
NERAL ELECTRIC COMPANY'S HEALTH AND	HYGIENE SERVICE	1571
ON SETTING	HYGIENE STANDARDS FOR THE COMBINATION OF SHF AND X-RAYS	1451
CLINICAL AND	HYGIENIC ASPECTS OF EXPOSURE TO EM FIELDS	1539
	HYGIENIC ASSESSMENT OF THE METHOD OF MAGNETIC TREATMENT OF WATER I	2603
	HYGIENIC EVALUATION OF RADIO-FREQUENCY ELECTROMAGNETIC FIELDS IN P	2943
	HYGIENIC EVALUATION OF THE ENVIRONMENTAL CONDITIONS IN TELEVISION	1342
	HYGIENIC EVALUATION OF THE INTENSITIES OF EM RADIOFREQUENCY FIELDS	1340
	HYGIENIC EVALUATION OF WORKING CONDITIONS INVOLVING RADIOWAVE EMIT	1437
	HYGIENIC EVALUATIONS OF THE MEDIUM WAVE RANGE EM FIELD IN CONDITIO	1509
SANITARY	HYGIENIC INVESTIGATION OF WORKING CONDITIONS DURING HIGH FREQUENCY	1516
	HYGIENIC PROBLEMS OF THE EFFECT OF MICROWAVE EM FIELDS ON THE BODY	0586
N MEASUREMENTS OF THE EM FIELDS FOR	HYGIENIC PURPOSES	2062
THE BIOLOGIC ACTION AND	HYGIENIC SIGNIFICANCE OF EM FIELDS OF SUPERHIGH AND ULTRAHIGH FREQ	0889
CROWAVE ANTENNA FOR LOCALLY-INDUCED	HYPER- THERMIA FOR CANCER THERAPY	0438
	HYPERACTIVITY AND DISRUPTION OF OPERANT BEHAVIOR IN RATS AFTER MUL	2763
THE ADMINISTRATION OF AN ALIMENTARY	HYPERCHOLESTEROL REGIME (IN FRENCH)	1775
EFFET DE L'IRRADIATION	HYPERFREQUENCE SUR LE MECANISME DE TANNAGE CHEZ TENEBRIO MOLITOR C	2432
GENERAL STATEMENT ON	HYPERFREQUENCEIS AND THEIR BIOLOGICAL EFFECTS	3429
RADIOFREQUENCIES AND	HYPERFREQUENCIES , APPLICATIONS AND RISKS (IN FRENCH)	3435
STUDY OF THE BIOLOGICAL EFFECTS OF	HYPERFREQUENCY RADIATION OF LOW POWER DENSITIES (IN FRENCH)	2631
LARIES BY HYPERTHERMIA SHOCK DURING	HYPERGLYCEMIA (IN GERMAN)	0096
ACING IN THE LONG-TERM TREATMENT OF	HYPERKINETIC ARRHYTHMIA (IN FRENCH)	3399
F ULTRAHIGH-FREQUENCY RADIATION AND	HYPEROXIA ON ANIMALS	2826
IMMUNOLOGIC STUDIES IN	HYPERPYREXIA	0509
THE PATHOLOGY OF	HYPERPYREXIA	1564
ECT OF A UHF FIELD ON THE COURSE OF	HYPERTENSIVE DISEASE	1507
FORMAL APPLICATORS FOR INDUCTION OF	HYPERTHERMIA	0258
RADIATION AND	HYPERTHERMIA	0327
DEVICES FOR MICROWAVE	HYPERTHERMIA	0341
F VIRUS MULTIPLICATION BY MICROWAVE	HYPERTHERMIA	2065
ENT MODALITIES UTILIZING X-RAYS AND	HYPERTHERMIA	2363
NG HEATING UNIFORMITY FOR MICROWAVE	HYPERTHERMIA	2528
THE PROBLEM OF CLINICAL	HYPERTHERMIA	2551
BIOENGINEERING--EM	HYPERTHERMIA	2584
FETAL DETERIORATION DURING MATERNAL	HYPERTHERMIA	2866

PHYSICAL	HYPERTHERMIA	AND CANCER THERAPY	0390
BINATION OF RADIOTHERAPY, MICROWAVE	HYPERTHERMIA	AND CLOSTRIDIAL ONCOLYSIS ON EXPERIMENTAL MOUSE TUMOR	0323
PRODUCED BY MICROWAVE-INDUCED TUMOR	HYPERTHERMIA	AND DIFFERENTIAL HYPOTHERMIA IN A MURINE GLIOMA	2364
LARGE ANIMAL STUDIES OF	HYPERTHERMIA	AND IRRADIATION	0148
METHODS OF INDUCING	HYPERTHERMIA	AND ITS MEASUREMENT	0339
PHYSIOLOGIC EFFECTS OF DEEP	HYPERTHERMIA	AND MICRO- WAVE REWARMING: POSSIBLE APPLICATION FOR N	0203
TATION EFFECTS ON MICROWAVE-INDUCED	HYPERTHERMIA	AND NEUROCHEMICAL CORRELATES	2800
MICROWAVE	HYPERTHERMIA	AND ONCOLYSIS BY CLOSTRIDIUM (IN GERMAN)	2634
ENCE AND TIME INTERVALS OF COMBINED	HYPERTHERMIA	AND RADIATION TREATMENT OF A SOLID MOUSE MAMMARY ADEN	2819
MICROWAVE	HYPERTHERMIA	AND THE VISUALLY EVOKED POTENTIALS: PRELIMINARY OBSER	2662
ABORTION FOLLOWING ULTRA-SHORT-WAVE	HYPERTHERMIA	ANIMAL EXPERIMENTS	2883
XPERIMENTAL AND CLINICAL ASPECTS OF	HYPERTHERMIA	APPLIED TO THE TREATMENT OF CANCER WITH SPECIAL REFER	1225
MICROWAVE-INDUCED	HYPERTHERMIA	AS AN ADJUVANT TO CANCER THERAPY	1161
FOCAL	HYPERTHERMIA	AS INDUCED BY RF RADIATION OF SIMULACRA WITH EMBEDDED	2732
	HYPERTHERMIA	BY LOCAL EM HEATING AND LOCAL CONDUCTIVITY CHANGE	1909
MICROWAVE-INDUCED	HYPERTHERMIA	DOSE DEFINITION	0043
	HYPERTHERMIA	DOSE DEFINITION	2639
ATIONS IN THE RAT FOLLOWING INDUCED	HYPERTHERMIA	DURING GESTATION	2917
MAL TISSUE & SOLID TUMOR EFFECTS OF	HYPERTHERMIA	IN ANIMAL MODELS AND CLINICAL TRIALS	0190
MICROWAVE-INDUCED	HYPERTHERMIA	IN CANCER TREATMENT: APPARATUS AND PRELIMINARY RESULT	3418
HIGH-FREQUENCY	HYPERTHERMIA	IN CARCINOMA OF THE URINARY BLADDER: EXPERIMENTAL AND	0216
LOCAL TUMOR	HYPERTHERMIA	IN COMBINATION WITH RADIATION THERAPY. 1.MALIGNANT CU	2618
INDUCTION OF	HYPERTHERMIA	IN DEEP-SEATED TUMORS BY A SPECIAL MICROWAVE APPLICAT	0335
PROSPECTS FOR	HYPERTHERMIA	IN HUMAN CANCER THERAPY, PART I: HYPERTHERMIC EFFECTS	2063
APPLICATIONS OF LOCAL EM	HYPERTHERMIA	IN ONCOLOGY	2803
SULTS USING LOCALIZED CURRENT FIELD	HYPERTHERMIA	IN ORAL CAVITY CARCINOMAS	2366
EM FOR DEVELOPING MICROWAVE INDUCED	HYPERTHERMIA	IN SMALL ANIMALS	2454
EM FOR DEVELOPING MICROWAVE-INDUCED	HYPERTHERMIA	IN SMALL ANIMALS	2922
RY STUDIES ON THE EMBRYOTOXICITY OF	HYPERTHERMIA	IN THE BONNET MONKEY (M.RADIATA)	2928
OMBINATION OF CARMINOMYCIN WITH UHF	HYPERTHERMIA	IN THE TREATMENT OF SARCOMA 180 (IN RUSSIAN)	0252
	HYPERTHERMIA	IN THE TREATMENT OF THE CANCER PATIENT	0448
EFFECT OF LOCAL	HYPERTHERMIA	INDUCED BY MICROWAVES AND XRAYS ON WALKER'S CARCINOMA	0136
THE DEVELOPMENT OF	HYPERTHERMIA	MICROWAVE GENERATORS AND THERMOMETRY	2361
OR UNIFORM AND REPLICABLE MICROWAVE	HYPERTHERMIA	OF A MODEL MOUSE CARCINOMA	0046
N INTERSTITIAL DEVICE FOR MICROWAVE	HYPERTHERMIA	OF HUMAN TUMORS	0329
THERAPY AND LOCALIZED CURRENT FIELD	HYPERTHERMIA	OF SPONTANEOUS MALIGNANT NEOPLASMS OF ANIMALS. A PREC	2329
SICAL PRINCIPLE FOR SELECTIVE LOCAL	HYPERTHERMIA	OF TUMOR TISSUES	0345
OF CELL-MEDIATED IMMUNITY TO LOCAL	HYPERTHERMIA	OF TUMORS AND ITS POTENTIATION BY IMMUNOSTIMULATION-	0340
DOSE X-IRRADIATION AND CONCOMITANT	HYPERTHERMIA	ON A RADIORESISTANT FIBROSARCOMA IN THE MOUSE	2335
THE EFFECT OF	HYPERTHERMIA	ON HUMAN COLON CANCER XENOGRAFTS IN NUDE MICE	0337
THE EFFECT OF POST-RADIATION	HYPERTHERMIA	ON HUMAN SKIN AND TUMOR RESPONSE	2341
EFFECTS OF MICROWAVE-INDUCED LOCAL	HYPERTHERMIA	ON MAMMARY ADENOCARCINOMA IN C3H MICE	1238
THE EFFECTS OF	HYPERTHERMIA	ON PREGNANCY AND PRENATAL DEVELOPMENT	2929
THE EFFECT OF	HYPERTHERMIA	ON SURVIVAL IN TRANSPLANTED LYMPHOSARCOMA	0019
THE INFLUENCE OF A HIGH-FREQUENCY	HYPERTHERMIA	ON THE EHRLICH'S-ASCITES CARCINOMA IN THE MOUSE (IN G	1187
EFFECTS OF LOCAL TUMOR	HYPERTHERMIA	ON THE GROWTH OF SOLID MOUSE TUMORS	0333
LONE, OR COMBINATION WITH LOCALIZED	HYPERTHERMIA	ON THE RESPONSE OF A MOUSE MAMMARY TUMOR	3423
EFFECT OF MICROWAVE OR WATERBATH	HYPERTHERMIA	ON TUMOR GROWTH	2768
LUDING PHANTOM STUDIES ON LOCALIZED	HYPERTHERMIA	PRODUCTION AND MEASUREMENT (IN FRENCH)	0357
DUEL-BEAM MICROWAVE APPLICATOR FOR	HYPERTHERMIA	RESEARCH	0156
SION OF TUMOR TISSUE CAPILLARIES BY	HYPERTHERMIA	SHOCK DURING HYPERGLYCEMIA (IN GERMAN)	0096
ASSESSMENT OF CURRENT	HYPERTHERMIA	TECHNOLOGY	0128
A MICROWAVE	HYPERTHERMIA	TREATMENT AND THERMOMETRY SYSTEM	0425
NED TEST MODEL FOR INVESTIGATION OF	HYPERTHERMIA	TREATMENT OF CANCER	1619
CANCER THERAPY WITH LOCALIZED	HYPERTHERMIA	USING AN INVASIVE MICROWAVE SYSTEM	0226
THE EFFECTS OF MICROWAVE RADIATION,	HYPERTHERMIA	, AND L-ASCORBIC ACID ON EHRLICH ASCITES CARCINOMA CEL	0044
COLYSIS DUE TO LOCAL HIGH FREQUENCY	HYPERTHERMIA	, LOCAL X-IRRADIATION AND APATHOGENIC CLOSTRIDA	0236
F TUMOR GROWTH IN MICE BY MICROWAVE	HYPERTHERMIA	, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTER	0053
F TUMOR GROWTH IN MICE BY MICROWAVE	HYPERTHERMIA	, STREPTOLYSIN S AND COLCEMIDE	2753
RIBUTION IN LOCALIZED CURRENT FIELD	HYPERTHERMIA-	A THEORETICAL MODEL	0359
BY MICROWAVE OR ULTRASOUND-INDUCED	HYPERTHERMIA		0125
AND BIOLOGICAL STUDIES OF LOCALIZED	HYPERTHERMIA		0161
MULTIPLE MOUSE TUMORS FOR MICROWAVE	HYPERTHERMIA		0322
RS FOR CANCER THERAPY BY MICROWAVE	HYPERTHERMIA		0388
	HYPERTHERMIA	: HEALING AND HAZARD IN TUMOR BEARING RATS	2649

INTRACELLULAR	HYPERTHERMIA : A BIOPHYSICAL APPROACH TO CANCER TREATMENT VIA INTRA	0076
CANCER TREATMENT BY	HYPERTHERMIA : INCLUDING PHANTOM STUDIES ON LOCALIZED HYPERTHERMIA	0357
ORMAL AND NEOPLASTIC TISSUES DURING	HYPERTHERMIA : LUMPED PARAMETER ANALYSIS	0188
	HYPERTHERMIC AND PATHOLOGIC EFFECTS OF EMR (350 MC)	1855
IA IN HUMAN CANCER THERAPY, PART I:	HYPERTHERMIC EFFECTS IN MAN AND SPONTANEOUS ANIMAL TUMORS	2063
LYMPHOCYTE MIGRATION BY WHOLE-BODY	HYPERTHERMIC RADIATION	0253
CELL- MEDIATED IMMUNOCOMPETENCE BY	HYPERTHERMIC RADIATION	0171
OXIDASE ACTIVITY IN THE SELECTIVELY	HYPERTHERMIC RAT BRAIN	2532
TECHNOLOGY FOR THE	HYPERTHERMIC TREATMENT OF LARGE SOLID TUMOURS AT 50 DEGREES CENTRI	2694
TION OF BIOLOGICAL EFFECTIVENESS OF	HYPERTHERMIC TREATMENT OF TISSUE	0247
TUMOR	HYPERTHERMY BY MEANS OF RADIOFREQUENCY IN ORDER TO ENHANCE ONCOLYS	1806
LATIONSHIP BETWEEN THE FREQUENCY OF	HYPERTONIC CRISES AND CHANGES OF THE SOLAR ACTIVITY AND THE EARTH'	2690
	HYPNOGENIC EFFECTS OF A MODULATED EM FIELD	2601
THE BIOLOGICAL INFLUENCE OF	HYPOGEOMAGNETIC ENVIRONMENTS	0248
	HYPOGONADISM AFTER MICROWAVE RADIATION	0726
TEREOTACTIC RADIOFREQUENCY	HYPOPHYSECTOMY	3436
EFFECTS OF	HYPOPHYSECTOMY AND DEXAMETHASONE ON RAT ADRENAL RESPONSE TO MICROW	0430
MECHANISM OF REACTION OF THE	HYPOPHYSEO-ADRENAL SYSTEM ON STRESS ACTION OF THE ALTERNATING MAGN	2077
MORPHOFUNCTIONAL STATUS OF THE	HYPOPHYSEOGONADAL SYSTEM DURING EXPOSURE OF THE ORGANISM TO EM FIE	1401
ADRENOCORTICOTROPIC ACTIVITY OF THE	HYPOPHYSIS UNDER THE EFFECT OF UHF-FIELD (IN RUSSIAN)	1637
LOW POWER DENSITY MICROWAVES ON RAT	HYPOTHALAMIC TEMPERATURES	0220
TION ON THE FUNCTIONAL STATE OF THE	HYPOTHALAMIC-HYPOPHYSIS-ADRENAL CORTEX SYSTEM	1447
OGICAL EFFECTS OF MICROWAVES ON THE	HYPOTHALAMIC / PITUITARY/THYROID AXIS	1374
ENERGY METABOLISM OF THE	HYPOTHALAMO-HYPOPHYSEAL PART OF RAT BRAIN IN THE ANTITUMORAL EFFEC	1557
ES IN THE SECRETORY FUNCTION OF THE	HYPOTHALAMUS AND CERTAIN ENDOCRINE GLANDS	1450
THE NEUROSECRETORY FUNCTION OF THE	HYPOTHALAMUS AND NEUROHYPOPHYSIS AS A RESULT OF CHRONIC IRRADIATIO	1352
THE POSTEROMEDIAL	HYPOTHALAMUS AND PAIN, BEHAVIOR, WITH SPECIAL REFERENCE TO ENDOCRI	3419
E TUBERO-INFUNDIBULAR REGION OF THE	HYPOTHALAMUS AND SIMULTANEOUS RESECTION OF THE PINEAL GLAND (IN FR	2855
ONS OF THE POSTERIOR SECTION OF THE	HYPOTHALAMUS UNDER THE INFLUENCE OF MICROWAVES	0230
F THE MIDBRAIN RETICULAR FORMATION-	HYPOTHALAMUS-CEREBLAR CORTEX LEVEL	1444
EATING OF TUMORS IN ANIMALS IN DEEP	HYPOTHERMIA	1957
AVE-IRRADIATED BRAIN WITH BODY-CORE	HYPOTHERMIA	2533
RAPID WARMING FROM	HYPOTHERMIA BY MICROWAVES	1272
TUMOR HYPERTHERMIA AND DIFFERENTIAL	HYPOTHERMIA IN A MURINE GLIOMA	2364
THE EFFECTS OF BODY CORE	HYPOTHERMIA ON BLOOD FLOW IN TUMORS HEATED WITH MICROWAVE RADIATIO	2530
BY MICROWAVE HEATING IN TISSUES OF	HYPOTHERMIC DOGS	0434
HE OCCULAR EFFECTS OF MICROWAVES ON	HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE CATARACTOGENIC MECHANISM	1068
BIOMAGNETIC	HYPOTHESES	1902
EM SIGNALS IN LIVING NATURE: FACTS,	HYPOTHESES , DIRECTIONS OF RESEARCH	0929
CE OSTEOPOROSIS: AN ELECTROMAGNETIC	HYPOTHESIS	0175
THE CURE OF CANCER: A PRELIMINARY	HYPOTHESIS	0500
FACTOR IN CARDIOVASCULAR DISEASE: A	HYPOTHESIS OF MICROWAVES AS AN ETIOLOGY FOR SUDDEN DEATH FROM HEAR	1636
CHYON MAGNETOLECTRIC DIPOLES- A NEW	HYPOTHESIS . PT I: A SUMMARY OF SOME REAL BUT UNEXPLAINED PHENOMENA	0141
YON MAGNETOELECTRIC DIPOLES - A NEW	HYPOTHESIS . PT III: DEVELOPMENT OF THE PHYSICS OF THE THEORY, & EX	0123
HOLOGRAPHIC ASSESSMENT OF A	HYPOTHESIZED MICROWAVE HEARING MECHANISM	0302
AND TEMPERATURE IN RATS ADAPTED TO	HYPOXIA	0378
MICROWAVES - NO CAUSE FOR	HYSTERIA	0419
TEN VON RATTEN IN HOCHSPANNUNGS- 50	HZ-WECHSELFELDERN	2365
THE STUDY OF	ICE AND WIND LOADINGS, GALLOPING, VIBRATION AND SUB-SPAN OSCILLATI	3592
THE SENSITIVITY OF BLACK BULLHEAD,	ICTALURUS MELAS RAFINESQUE, TO LOW LEVELS OF 60 HZ ALTERNATING ELE	1205
EFFECTS OF MICROWAVE RADIATION AND	IDENTIFICATION OF POTENTIALLY SUSCEPTIBLE POPULATION GROUPS	3557
ELECTRIC SIGNALS THAT ARE USED FOR	IDENTIFICATION , AGGREGATION, AND DISPERSAL	0502
LT OF GALLIUM AND TO THE HEXAMETHYL	IDONIUM SALT ON THE WHITE RAT (IN FRENCH)	0861
	IGNITABILITY OF ANECHOIC CHAMBER FOAM BY ELECTRIC CURRENTS	0945
MULATION ON ION TRANSPORT BY RABBIT	ILEUM IN VITRO	2525
OF THE ISOLATED TERMINAL GUINEA-PIG	ILEUM TO ELECTRICAL STIMULATION	1875
S CELSIUS, AND THAWING BY MICROWAVE	ILLUMINATION	2698
DESIGN OF AN	ILLUMINATION FACILITY FOR BIOLOGICAL EXPOSURE TO MICROWAVES	2433
PULSE MODULATED UHF ENERGY	ILLUMINATION OF THE HEART ASSOCIATED WITH CHANGE IN HEART RATE	1040
AVOIDANCE BY RATS OF	ILLUMINATION WITH LOW POWER NONIONIZING EM ENERGY	0914
HUMAN PERCEPTION OF	ILLUMINATION WITH PULSED UHF EM ENERGY	0479
DING FROM THE CAT BRAIN STEM DURING	ILLUMINATION WITH UHF ENERGY	1037
SHINGTON - PART I INFRARED SCANNING	IMAGERY	3567
MICROWAVE SCATTERING PARAMETER	IMAGERY OF AN ISOLATED CANINE KIDNEY	0307
MICROWAVE TIME DELAY SPECTROSCOPIC	IMAGERY OF ISOLATED CANINE KIDNEY	0423

THERMOGRAPHIC	IMAGING AT MILLIMETER AND CENTIMETER WAVELENGTHS	1691
RF AND MAGNETIC FIELDS USED IN NMR	IMAGING	0135
SKIN-EFFECT CORRECTIONS IN	IMMITTANCE AND SCATTERING COEFFICIENT STANDARDS EMPLOYING PRECISON	3343
AND PRECISON CONNECTORS AS ACCURATE	IMMITTANCE STANDARDS	3348
ES OF THE MECHANISMS UNDERLYING THE	IMMUNE DEFECT	0946
X-LINKED B-LYMPHOCYTE	IMMUNE DEFECT IN CBA/N MICE, PART II: STUDIES OF THE MECHANISMS UN	0946
	IMMUNE RESPONSE OF MICE TO 2450-MHZ MICROWAVE RADIATION: OVERVIEW	2756
ROWAVE RADIATION (2,450 MHZ) ON THE	IMMUNE RESPONSE OF THE MOUSE	0312
ECT OF MICROWAVES (2450 MHZ) ON THE	IMMUNE SYSTEM IN MICE. II. FUNCTIONAL STUDIES	2350
EFFECTIVENESS OF STIMULATION OF THE	IMMUNE SYSTEM OF MICE BY ELECTRO-MAGNETIC RADIATION	3424
RADIOFREQUENCY RADIATION ALTERS THE	IMMUNE SYSTEM: MODULATION OF IN VIVO LYMPHOCYTE MIGRATION BY WHOLE	0253
RADIOFREQUENCY RADIATION ALTERS THE	IMMUNE SYSTEM: MODULATION OF T-AND B-LYMPHOCYTE LEVELS AND CELL- M	0171
EASUREMENT OF ELECTROMAGNETIC FIELD	IMMUNITY	2617
HUMORAL	IMMUNITY OF JAPANESE QUAIL SUBJECTED TO MICROWAVE RADIATION DURING	2589
REACTION OF CELL-MEDIATED	IMMUNITY TO LOCAL HYPERTHERMIA OF TUMORS AND ITS POTENTIATION BY I	0340
IMMUNOLOGICAL CHANGES IN	IMMUNIZED ANIMALS ON LONG-TERM EXPOSURE TO SHF RADIO WAVES	0994
THE EFFECT OF UHF EMR ON THE	IMMUNOBIOLOGICAL PROPERTIES OF THE ORGANISM	0459
RE TO MICROWAVES AND SOFT X-RAYS ON	IMMUNOBIOLOGICAL REACTIVITY OF ANIMALS	1453
YMPHOCYTE LEVELS AND CELL- MEDIATED	IMMUNOCOMPETENCE BY HYPERTHERMIC RADIATION	0171
ECT OF 2450 MHZ MICROWAVES ON HUMAN	IMMUNOGLOBULIN G	3032
	IMMUNOLOGIC STUDIES IN HYPERPYREXIA	0509
	IMMUNOLOGICAL CHANGES IN IMMUNIZED ANIMALS ON LONG-TERM EXPOSURE T	0994
	IMMUNOLOGICAL EFFECT OF MICROWAVES (IN RUSSIAN)	0029
	IMMUNOLOGICAL EFFECTS OF LOW MICROWAVE EXPOSURE	0435
	IMMUNOLOGICAL REACTIVITY OF ANIMALS IN PROLONGED IRRADIATION BY UH	0975
	IMMUNOLOGICAL REACTIVITY OF THE BODY UNDER THE EFFECT OF SUPER-HIG	2715
CHANGES IN THE	IMMUNOLOGICAL REACTIVITY OF THE ORGANISM AND IN THE PROPERTIES OF	2261
STATE OF	IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME	0162
HZ MICROWAVE RADIATION: OVERVIEW OF	IMMUNOLOGY AND EMPIRICAL STUDIES OF LYMPHOID SPLENIC CELLS	2756
	IMMUNOREACTIVE LUTEINIZING HORMONE RELEASING FACTOR IN PITUITARY S	0635
A OF TUMORS AND ITS POTENTIATION BY	IMMUNOSTIMULATION- A REVIEW	0340
OF CEREBROVASCULAR HYDRAULIC INPUT	IMPEDANCE	1883
PLASMA	IMPEDANCE ELEMENT IN AN ACTIVE FABROY-PEROT MICROWAVE RESONATOR	3308
A TWO	IMPEDANCE METHOD FOR WIDE RANGE DIELECTROMETRY	2215
ELECTRICAL	IMPEDANCE OF THE HUMAN BODY	0996
ELECTRICAL	IMPEDANCE OF THE HUMAN BODY FOR HF (2-30 MHZ) BAND (INITIAL RESULT	2142
CHANGE IN	IMPEDANCE OF THE NERVE STEM OF A FROG UNDER THE ACTION OF VISIBLE	3443
ENVIRONMENTAL INFLUENCE ON	IMPLANTABLE CARDIAC PACEMAKERS	3078
EVALUATION OF AN	IMPLANTABLE ELECTRIC-FIELD PROBE WITHIN FINITE SIMULATED TISSUES	2731
	IMPLANTABLE RADIATORS FOR CANCER THERAPY BY MICROWAVE HYPERTHERMI	0388
EFFECTS OF EMR ON	IMPLANTATION AND INTRAUTERINE DEVELOPMENT OF THE RAT	1087
ENCY SYSTEM (RADIOCOR) DESIGNED FOR	IMPLANTATION IN SERIES WITH ANY KIND OF PACEMAKER (IN ITALIAN)	2078
PERIPHERAL NERVE INJURY FROM	IMPLANTATION OF CHRONIC STIMULATING ELECTRODES FOR PAIN CONTROL	1878
NTERFERENCE WITH THE FUNCTION OF AN	IMPLANTED CARDIAC PACEMAKER	0260
EFFECT OF MICROWAVE OVEN ON	IMPLANTED CARDIAC PACEMAKER	0513
NERVE STIMULATION BY	IMPLANTED MICROWAVE DIODE	1494
ACTIVE MAGNETOMETER ON PERMANENTLY	IMPLANTED PACEMAKERS	2036
USE OF IODINE-125 FOR INTERSTITIAL	IMPLANTS	0948
ELECTRIC IMPULSE THERAPY OF	IMPOTENCE (IN RUSSIAN)	2862
THE DYNAMICS OF THE	IMPULSE ACTIVITY OF NEURONS OF THE POSTERIOR SECTION OF THE HYPOTH	0230
EFFECT OF	IMPULSE ELECTRICAL CURRENT ON REPARATIVE REGENERATION OF THE BONE	2075
WORK WITH ULTRAHIGH FREQUENCY	IMPULSE GENERATORS FROM THE POINT OF VIEW OF WORK HYGIENE	3441
ELECTRIC	IMPULSE THERAPY OF IMPOTENCE (IN RUSSIAN)	2862
N RIBOSOMAL RNA INDUCED BY ELECTRIC	IMPULSES	1386
A REVIEW OF	IN-LINE RF POWER METERS FOR USE WITH ULTRASONIC INSTRUMENTATION, (	3044
0 MHZ CW MICROWAVES ON RATS EXPOSED	IN-UTERO	1155
	IN-VITRO RESPONSE OF LYMPHOCYTE CULTURES EXPOSED TO RF RADIATION	2613
PRELIMINARY	IN-VIVO PROBE MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN M	2455
THE USE OF MICROWAVE HEATING TO	INACTIVATE CHOLINESTERASE IN THE RAT BRAIN PRIOR TO ANALYSIS FOR A	2518
THE MINIMUM	INACTIVATED CELL RATIO: A CONCEPT FOR THE ESTIMATION OF BIOLOGICAL	0247
NAL BRAIN FOLLOWING 300MS MICROWAVE	INACTIVATION	2526
QUANTITATIVE ANALYSIS OF YEAST CELL	INACTIVATION AFTER EXPOSURE TO SHF IRRADIATION. (IN RUSSIAN)	0338
MITTER CONTENT OF MOUSE BRAIN AFTER	INACTIVATION BY MICROWAVE HEATING	0902
ABA IN MOUSE BRAIN FOLLOWING TISSUE	INACTIVATION BY MICROWAVE IRRADIATION	2053
AT 986 VERSUS 2450 MHZ FOR IN VIVO	INACTIVATION OF BRAIN ENZYMES IN RATS	0085

ROWAVE APPLICATOR FOR IN VIVO RAPID	INACTIVATION OF ENZYMES IN THE CENTRAL NERVOUS SYSTEM	1034
THE	INACTIVATION OF RODENT BRAIN ENZYMES IN VIVO USING HIGH-INTENSITY	0387
STUDY OF THE	INACTIVATION OF VIRUS-CONTAINING WATER BY MEANS OF ELECTRICAL CURR	2598
N RAT BRAIN DETERMINED AFTER TISSUE	INACTIVATION WITH MICROWAVE IRRADIATION	2596
EC MICROWAVE IRRADIATION FOR ENZYME	INACTIVATION : A STUDY OF EFFECTS OF SODIUM PENTOBARBITAL ON ACETYL	1202
OW LEVEL MICROWAVE RADIATION ON THE	INCIDENCE OF CATARACT FORMATION	3021
FACTORS ASSOCIATED WITH THE	INCIDENCE OF CONGENITAL ANOMALIES: A LOCALIZED INVESTIGATION	3140
LITOR AND HEART RATE IN FROG TO THE	INCIDENCE OF LOW LEVEL MICROWAVES	1206
OGENESIS IN TENEBRIO MOLITOR TO THE	INCIDENCE OF LOW-LEVEL MICROWAVES	1973
IBUTION AND FREQUENCY DEPENDENCE OF	INCIDENTIAL MAN-MADE HF/VHF NOISE IN METROPOLITAN AREAS	3179
ANALYSIS OF AIRBORNE VHF/UHF	INCIDENTIAL NOISE OVER METROPOLITAN AREAS	3180
RADIATION	INCIDENTS REGISTRY REPT. 1970	1296
INS AND YOLK DURING EARLY STAGES OF	INCUBATION	0219
N CHICK EMBRYOS IN THE 48TH HOUR OF	INCUBATION , AND ON HATCHING RATE	1559
ELECTRIC WAVES ON DIPHTHERIA TOXIN	INDEPENDENT OF THE HEAT FACTOR	0531
VE THERMOGRAPH FOR SIMULTANEOUS AND	INDEPENDENT TEMPERATURE AND EMISSIVITY MEASUREMENTS	0255
CITATION	INDEX FOR FOREIGN LANGUAGE REPORTS ON BIOLOGICAL EFFECTS OF RADIO-	2254
MICROWAVE LEAKAGE	INDICATION	1148
ER WAVE THERMOGRAPH AS SUBCUTANEOUS	INDICATOR OF JOINT INFLAMMATION	2411
ELEMENTS, METALLOPROTEINES AND SOME	INDICATORS OF OXIDATION- REDUCTION PROCESSES IN THE ORGANISM	2348
ATION-INDUCED BIOLOGICAL CHANGES AS	INDICATORS OF RADIATION INJURY	2574
EQUENCY RANGE ON CYTOCHEMICAL BLOOD	INDICES	0061
HEMODYNAMIC	INDICES DURING THE ACTION OF SUPER-HIGH FREQUENCY ELECTROMAGNETIC	2560
NIFICANCE OF SOME BIOCHEMICAL BLOOD	INDICES IN EARLY DETECTION OF LESIONS DUE TO PULSED LOW-FREQUENCY	2047
NATURE OF CHANGES IN SOME METABOLIC	INDICES IN RESPONSE TO NONTHERMAL INTENSITY RADIOWAVES	2805
F THE RADIO BAND ON SOME FUNCTIONAL	INDICES IN WORKERS	1482
SOME	INDICES OF FERTILITY OF FEMALE MICE IRRADIATED WITH 10-CENTIMETER	2874
CT OF ELECTRIC CARDIOVERSION ON THE	INDICES OF HEMODYNAMICS AND MYOCARDIUM CONTRACTILITY IN PATIENTS W	1396
ND VARIABLE MAGNETIC FIELDS ON SOME	INDICES OF PHYSIOLOGICAL FUNCTIONS AND METABOLIC PROCESSES IN WHIT	2493
SMALL DOSES OF UHF EM WAVES ON SOME	INDICES OF RENAL FUNCTION AND WATER-SALT METABOLISM (IN RUSSIAN)	1629
OF UHF FIELD OF SMALL INTENSITY ON	INDICES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (IN RUSSIAN)	2079
E PHYSICAL ENVIRONMENTAL FACTORS ON	INDICES OF WATER-SALT BALANCE (IN RUSSIAN)	2067
: EVIDENCE FOR ITS USE IN MIGRATORY	INDIGO BUNTINGS	2106
-MICROWAVE IRRADIATION OF THE HEAD:	INDIRECT CALORIC VESTIBULAR STIMULATION	0524
MICROWAVE AND MAN: THE DIRECT AND	INDIRECT HAZARDS, AND THE PRECAUTIONS	2140
MICROWAVES	INDUCE AN INCREASE IN THE FREQUENCY OF COMPLEMENT RECEPTOR-BEARING	2066
E OF 2- AND 10-METER RADIO WAVES TO	INDUCE GENETIC DAMAGE IN DROSOPHILA MELANOGASTER	1168
MICROWAVE	INDUCED AVOIDANCE BEHAVIOR IN THE MOUSE	2167
ION OF RADIOFREQUENCY EM RADIATION-	INDUCED BIOLOGICAL DAMAGE IN MACACA MULATTA	2397
TEMPERATURE DISTRIBUTIONS	INDUCED BY 2450 MHZ MICROWAVE RADIATION IN A TRILAYERED SPHERICAL	1816
ABNORMALITIES IN ORGANS OF MICE	INDUCED BY A MAGNETIC FIELD	2097
DITIONED TASTE AVERSIONS IN THE RAT	INDUCED BY A SINGLE EXPOSURE TO MICROWAVES	2444
THE PERIPHERAL BLOOD OF GUINEA PIGS	INDUCED BY A THREE CENTIMETER EM FIELD	1488
PATHOGENESIS OF INSULIN DEFICIENCY	INDUCED BY ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FREQUENCY (IN	0014
HUMAN SKIN BURNS	INDUCED BY DEFIBRILLATOR DEFAULT CURRENT	1873
TS OBSERVED IN CONFORMATION CHANGES	INDUCED BY ELECTRIC FIELDS	0690
NFORMATION CHANGES IN RIBOSOMAL RNA	INDUCED BY ELECTRIC IMPULSES	1386
POTENTIAL TEMPERATURE RISE	INDUCED BY ELECTROMAGNETIC FIELD IN BRAIN TISSUES	0016
MULACRA WITH EMBEDDED TUMORS AND AS	INDUCED BY EM FIELDS IN A MODEL OF A HUMAN BODY	2732
THE LENS OF THE EYE EXPERIMENTALLY	INDUCED BY EXPOSURE TO MICROWAVE RADIATION	0455
E SLIME MOULD PHYSARUM POLYCEPHALUM	INDUCED BY LOW INTENSITY 60 AND 75 HZ EM FIELDS	0907
N AND SEDIMENTATION OF ERYTHROCYTES	INDUCED BY MAGNETIC FIELDS	0089
RATE EFFECTS IN ISOLATED HEARTS	INDUCED BY MICROWAVE IRRADIATION	0526
E EFFECTS IN ISOLATED TURTLE HEARTS	INDUCED BY MICROWAVE IRRADIATION	1029
RUCTURAL CHANGES IN THE RABBIT LENS	INDUCED BY MICROWAVE RADIATION	1069
.--EXPERIMENTAL RADIATION CATARACTS	INDUCED BY MICROWAVE RADIATION	1574
MOSOMAL ABERRATIONS OF LIVING CELLS	INDUCED BY MICROWAVE RADIATION	1962
RETINAL DAMAGE EXPERIMENTALLY	INDUCED BY MICROWAVE RADIATION AT 55 MW/CM2	0181
AN ORGANISM'S BEHAVIORAL REACTIONS	INDUCED BY MICROWAVE RADIATION	0433
EFFECT OF LOCAL HYPERTHERMIA	INDUCED BY MICROWAVES AND XRAYS ON WALKER'S CARCINOMA OF THE RAT	0136
MUTAGENICITY	INDUCED BY NON-IONIZING RADIATION IN SWISS MALE MICE	2178
ROSSING-OVER IN MALES OF DORSOPHILA	INDUCED BY RADIO FREQUENCY TREATMENT	0538
E IN CULTURED CHINESE HAMSTER CELLS	INDUCED BY RADIO-FREQUENCY TREATMENT	0535
FOCAL HYPERTHERMIA AS	INDUCED BY RF RADIATION OF SIMULACRA WITH EMBEDDED TUMORS AND AS I	2732
ON THE MODIFICATIONS	INDUCED BY SHORT WAVES ON THE PERIPHERAL CIRCLE (STUDY OF NORMAL S	1925

CIAL AND HARMFUL ACCELERATED GROWTH	INDUCED BY THE ACTION OF NONIONIZING RADIATION	1048
ELECTRET	INDUCED CALLUS FORMATION IN THE RAT	2776
ECT OF STATIONARY MAGNETIC FIELD ON	INDUCED CARCINOGENESIS (IN RUSSIAN)	2594
D EXPERIMENTAL STUDI&S OF MICROWAVE	INDUCED CATARACTS IN RABBITS	2386
ELECTROSTATIC FIELD	INDUCED CHANGES IN MOUSE SERUM PROTEINS	2050
REMELY LOW FREQUENCY ELECTRIC FIELD	INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIVER ENYZMES OF R	1782
LOW FREQUENCY ELECTRIC FIELD	INDUCED CHANGES IN THE SHAPE AND MOTILITY OF AMOEBAS	0813
THE EMBRYOLOGICAL SIGNIFICANCE OF	INDUCED CONGENITAL ANOMALIES	2886
NE DURING ELECTRICAL STIMULATION OF	INDUCED CORTICAL BONE DEFECTS	2233
	INDUCED EM FIELD AND ABSORBED POWER DENSITY INSIDE A HUMAN TORSO	1795
	INDUCED EM FIELD AND ABSORBED POWER DENSITY INSIDE HUMAN TORSOS BY	1608
QUANTITATION OF	INDUCED EM FIELD PATTERNS IN TISSUE AND ASSOCIATED BIOLOGIC EFFECT	1261
	INDUCED EM FIELDS INSIDE HUMAN BODIES IRRADIATED BY EM WAVES OF UP	2796
	INDUCED FIELDS AND HEATING WITHIN A CRANIAL STRUCTURE IRRADIATED B	0717
QUANTIFICATION AND MEASUREMENT OF	INDUCED FIELDS INSIDE FINITE BIOLOGICAL BODIES	2187
MEASUREMENTS OF ELECTROMAGNETICALLY	INDUCED HEATING	2208
MALFORMATIONS IN THE RAT FOLLOWING	INDUCED HYPERTHERMIA DURING GESTATION	2917
A SYSTEM FOR DEVELOPING MICROWAVE	INDUCED HYPERTHERMIA IN SMALL ANIMALS	2454
ANALYSES OF ELECTROMAGNETIC FIELDS	INDUCED IN BIOLOGICAL TISSUES BY THERMOGRAPHIC STUDIES ON EQUIVALE	2946
TOMICAL CHARACTERIZATION OF CHANGES	INDUCED IN EXPERIMENTAL ANIMALS BY COMBINED IRRADIATION WITH MICRO	1454
F INTERNAL ELECTRO- MAGNETIC FIELDS	INDUCED IN FINITE BIOLOGICAL BODIES BY NONUNIFORM ELECTROMAGNETIC	0137
EM FIELDS	INDUCED INSIDE ARBITRARILY SHAPED BIOLOGICAL BODIES	0804
EM FIELDS	INDUCED INSIDE ARBITRARY CYLINDERS OF BIOLOGICAL TISSUE	1613
ND THEORETICAL STUDIES ON EM FIELDS	INDUCED INSIDE FINITE BIOLOGICAL BODIES	1239
EM FIELDS	INDUCED INSIDE OF BIOLOGICAL BODIES	1741
E ELEMENT TECHNIQUE FOR CALCULATING	INDUCED INTERNAL FIELDS AND POWER DEPOSITION IN BIOLOGICAL MEDIA O	2670
EM	INDUCED KINETIC EFFECTS ON CHARGED SUBSTRATES IN LOCALIZED ENZYME	1731
TRANSIENT CURRENTS	INDUCED ON A METALLIC BODY OF REVOLUTION BY AN ELECTROMAGNETIC PUL	3175
STIMULATION: A DISTINCTION BETWEEN	INDUCED OSTEOGENESIS IN INTACT TIBIAE AND THE EFFECT ON FRESH FRAC	2773
NTIALS ARE FUNCTIONAL CORRELATES OF	INDUCED PAIN IN MAN	0138
EVIDENCE FOR ELECTRICALLY	INDUCED PARTIAL STRAND SEPARATION OF DNA	2225
S OF CELL SUSPENSION PHYSIOLOGY AND	INDUCED PATHOPHYSIOLOGY	0054
SM TO INFLUENCE PRODUCTION OF X-RAY	INDUCED SEX-LINKED RECESSIVE LETHALS	1966
MICROWAVE	INDUCED TEMPERATURE RISES IN RABBIT EYES IN CATARACT RESEARCH	1271
COMPUTATION OF THE EM FIELDS AND	INDUCED TEMPERATURES WITHIN A MODEL OF THE MICROWAVE-IRRADIATED HU	1043
STOMATAL RESPONSE TO MICROWAVE	INDUCED THERMAL STRESSES	0847
D WITH INTERFERON AND/OR INTERFERON	INDUCERS (POLY I-POLY C) ON DEVELOPMENT OF SARCOMA 180 IN MICE	1160
LECTRICAL STIMULATION TECHNIQUE FOR	INDUCING BONE GROWTH	2237
METHODS OF	INDUCING HYPERTHERMIA AND ITS MEASUREMENT	0339
MICROWAVES INHIBIT TUMOR	INDUCTION	1970
OWAVE EXPOSURE ON BACTERIA MUTATION	INDUCTION	2179
TRANSIENT ELECTROSTATIC	INDUCTION BY EHV TRANSMISSION LINES	3086
HEATING OF BIOLOGICAL TISSUE IN THE	INDUCTION FIELD OF PORTABLE RADIO TRANSMITTERS	3151
OF WORKERS OPERATING HIGH-FREQUENCY	INDUCTION HEATING EQUIPMENT (IN RUSSIAN)	1842
THE ELECTRICAL	INDUCTION OF CALLUS FORMATION AND EXTERNAL SKELETAL FIXATION USING	2781
THE	INDUCTION OF CELLULAR ORIENTATION BY LOW-LEVEL ELECTRICAL CURRENTS	2235
ON THE	INDUCTION OF CHROMOSOMAL ABERRATIONS BY 2450 MHZ MICROWAVE RADIATI	2344
LANDS AND THEIR RELATIONSHIP TO THE	INDUCTION OF GROWTH	1699
ENTIAL OF CONFORMAL APPLICATORS FOR	INDUCTION OF HYPERTHERMIA	0258
	INDUCTION OF HYPERTHERMIA IN DEEP-SEATED TUMORS BY A SPECIAL MICRO	0335
	INDUCTION OF TERATOGENIC EFFECTS IN RATS BY 27.12 MHZ RF RADIATION	2898
	INDUCTION THERMOCOAGULATION OF THE BRAIN--QUANTITATION OF ABSORBED	1334
COMMENTS ON '	INDUCTION THERMOCOAGULATION--A SEED POWER STUDY'	1712
CTRIC RESONATOR METHOD OF MEASURING	INDUCTIVE CAPACITIES IN THE MILLIMETER RANGE	3340
AMBIENT ELECTRIC FIELD GENERATED BY	INDUCTIVE VOLTAGES IN LOW FREQUENCY MAGNETIC FIELD GENERATORS	1210
AUGMENTATION OF BONE REPAIR BY	INDUCTIVELY COUPLED EM FIELDS	0644
IMPROVING THE THERAPEUTIC EFFECT OF	INDUCTOTHERAPY OF THE LUMBAR REGION IN DERMATOLOGY (IN RUSSIAN)	2716
FROM THE PLEURA UNDER THE EFFECT OF	INDUCTOTHERMY CURRENTS (IN UKRAINIAN)	2599
EFFECT OF CENTIMETER WAVES AND	INDUCTOTHERMY ON THE ADRENOCORTICAL FUNCTION OF CHILDREN WITH BRON	0282
PROSPECTS FOR EXPANSION OF	INDUSTRIAL AND CONSUMER USES OF MICROWAVES	0877
	INDUSTRIAL AND SCIENTIFIC APPLICATIONS OF DOPPLER RADAR	1312
IN THE ORGANS OF A BODY EXPOSED TO	INDUSTRIAL AND SUPERHIGH FREQUENCY EM FIELDS	2806
SURVEY OF SELECTED	INDUSTRIAL APPLICATION OF MICROWAVE ENERGY	0613
SURVEY OF SELECTED	INDUSTRIAL APPLICATIONS OF MICROWAVE ENERGY, BRH/DEP 70-10	3029
INFLUENCE OF SW IN EXPERIMENTAL AND	INDUSTRIAL CONDITIONS	1457

SM UNDER THE EFFECT OF SOME NOXIOUS	INDUSTRIAL FACTORS. (IN RUS.)	0162
, AND 750 KV ALTERNATING CURRENT AT	INDUSTRIAL FREQUENCY	3077
ED BY ALTERNATING MAGNETIC FIELD OF	INDUSTRIAL FREQUENCY (IN RUSSIAN)	0014
SYSTEM TO THE EFFECT OF EM FIELD OF	INDUSTRIAL FREQUENCY (50 HZ)	2031
BIOLOGICAL ACTION OF AN	INDUSTRIAL FREQUENCY (50 HZ) ELECTRIC FIELD	0436
O THE INTERACTION PHENOMENA BETWEEN	INDUSTRIAL FREQUENCY AC (50 HZ) FIELD AND THE ORGANISM OF A HUMAN	0165
DEVICE FOR THE MEASUREMENT OF	INDUSTRIAL FREQUENCY ELECTRIC FIELD INTENSITY	1935
EXPERIMENTAL STUDY OF EFFECTS OF	INDUSTRIAL FREQUENCY EM FIELDS ON REPRODUCTIVE FUNCTION	2580
CONDITIONS OF EFFECT OF EM FIELD OF	INDUSTRIAL FREQUENCY ON THE BODY	2713
EFFECTS OF EM ENERGY OF	INDUSTRIAL FREQUENCY ON THE HUMAN AND ANIMAL NERVOUS SYSTEM	2711
CE OF ALTERNATING MAGNETIC FIELD OF	INDUSTRIAL FREQUENCY ON THE THYROID GLAND FUNCTIONAL ACTIVITY AND	3432
OF ALTERNATING ELECTRICAL FIELD OF	INDUSTRIAL FREQUENCY WITH THE HUMAN AND ANIMAL BODY	3411
POSSIBLE	INDUSTRIAL HAZARDS IN THE USE OF MICROWAVE RADIATION	0497
PROACHES TO STUDIES IN THE FIELD OF	INDUSTRIAL HYGIENE AND THE BIOLOGICAL EFFECT OF EM RADIOFREQUENCY	1338
	INDUSTRIAL HYGIENE PROBLEMS OF WORKING WITH ULTRA-SHORT-WAVE TRANS	2556
OF PHYSICAL INJURY AT THE INST. OF	INDUSTRIAL MED.	1922
RADIATION EXPOSURE FROM	INDUSTRIAL MICROWAVE APPLICATIONS	0686
RADIATION LEAKAGE CONTROL OF	INDUSTRIAL MICROWAVE POWER DEVICES	0788
USE OF AN	INDUSTRIAL PROTOTYPE MACHINE FOR DRYING AND STERILIZING PHARMACEUT	1228
CTRONIC PRODUCTS FOR COMMERCIAL AND	INDUSTRIAL PURPOSES	0756
CTRONIC PRODUCTS FOR COMMERCIAL AND	INDUSTRIAL PURPOSES, BRH/DEP 70-30	3036
CTRONIC PRODUCTS FOR COMMERCIAL AND	INDUSTRIAL PURPOSES, BRH/DEP 70-30	3037
- AND MAGNETIC-FIELD STRENGTHS FROM	INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALERS	0402
C AND MAGNETIC FIELD STRENGTHS FROM	INDUSTRIAL RADIOFREQUENCY (15-40.68 MHZ) POWER SOURCES	2210
LEAKAGE CONTROL OF A RADIOFREQUENCY	INDUSTRIAL SYSTEM	2055
Y ABOVE 300 MC FROM RADIO-FREQUENCY	INDUSTRIAL , SCIENTIFIC AND MEDICAL EQUIPMENTS	3518
STRIBUTION FOR THE ELECTRIC UTILITY	INDUSTRY	3166
EVELOPMENT FOR THE ELECTRIC UTILITY	INDUSTRY 1975-2000	3165
ON THE EFFECTS OF ELECTRICAL POWER	INDUSTRY FIELDS ON MAN	1889
EFFECT OF MAGNETIC FIELDS IN	INDUSTRY ON THE CENTRAL NERVOUS SYSTEM (EEG DATA)	1426
OVEN TESTERS:	INEFFECTIVE INSTRUMENTS OR A POTENTIAL CONSUMER-SALES GOLD MINE?	0408
SUDDEN AND UNEXPECTED	INFANT DEATH AND ELECTROMAGNETIC FIELDS (IN GERMAN)	2643
SUDDEN, UNEXPECTED DEATH OF	INFANTS AND EM FIELDS (IN GERMAN)	1624
IFTS DURING EXPERIMENTAL MYOCARDIAL	INFARCTION	2104
	INFARCTION OF FALLOPIAN TUBE AFTER TUBAL DIATHERMY	0846
MAGNETOTHERAPY OF	INFECTED OPEN FRACTURES	0351
FLUENCE OF ELECTRICAL CURRENT ON AN	INFECTING MICROORGANISM IN WOUNDS	2243
ESISTANCE OF WHITE MICE TO LISTERIA	INFECTION	2486
	INFECTION HAZARD OF RADIO IN THE OR	0689
NCE OF EM WAVES ON THE COURSE OF AN	INFECTION WITH NEWCASTLE DISEASE VIRUS IN CHICK EMBRYO TRACHEAL OR	0817
ACUTE STAPHYLOCOCCAL	INFECTIONS IN RABBITS IRRADIATED WITH 3-GHZ MICROWAVES	1082
KING DORMANCY AND CONTROLLING VIRUS	INFECTIONS OF PLANTS	3238
EFFECTS OF MAGNETIC FIELD ON	INFLAMMATION	1932
AS SUBCUTANEOUS INDICATOR OF JOINT	INFLAMMATION	2411
CTS OF RADIO-FREQUENCY RADIATION ON	INFLAMMATION	2752
MICROWAVE THERAPY OF	INFLAMMATION OF THE GENITALS	2353
THERAPY IN THE MANAGEMENT OF PELVIC	INFLAMMATORY DISEASE: A PRELIMINARY REPT	1809
MICROWAVE AND	INFRA-RED EFFECTS ON HEART RATE, RESPIRATION RATE AND SUBCUTANEOUS	0921
EFFECTS OF STRONG	INFRALOW-FREQUENCY MAGNETIC FIELDS ON BONE MARROW CELL DIVISION	0437
	INFRARED EMITTANCE OF EM PHANTOM MATERIALS AND INFRARED TRANSMITTA	2669
HUMAN TOLERANCE TO LOCAL	INFRARED IRRADIATION	0730
NCY OF UREDOSPORES BY MICROWAVE AND	INFRARED IRRADIATION	3473
TO THE MEASUREMENT OF MICROWAVE AND	INFRARED RADIATION	3547
O THE MEASUREMENT OF MICROWAVES AND	INFRARED RADIATION. SEMINAR PAPER NO. 009	3046
CAL STUDY OF THE RAT: MICROWAVE AND	INFRARED RADIATIONS COMPARED	2754
ED WITH SUPER-HIGH FREQUENCY ENERGY	INFRARED RAYS ON THE SECRETORY FUNCTION OF THE STOMACH (IN RUSSIAN	2701
OF SOUTHEASTERN WASHINGTON - PART 1	INFRARED SCANNING IMAGERY	3567
	INFRARED SPECTRA OF ERYTHROCYTE SHADOWS IN THE REGION OF AMIDE I A	1794
	INFRARED STUDIES OF ISOLATED NORMAL AND TUMOUR DNA	3263
ITTANCE OF EM PHANTOM MATERIALS AND	INFRARED TRANSMITTANCE OF POLYETHYLENE	2669
FIELD MEASUREMENT OF ULTRAVIOLET,	INFRARED , AND MICROWAVE ENERGIES	0687
TION (HOT WATER 60 DEGREES CELSIUS,	INFRARED , MICROWAVE, AND ULTRASOUND)	0932
MICROWAVES	INHIBIT TUMOR INDUCTION	1970
	INHIBITING ACTION OF ELECTRIC FIELD ON ESCHERICHIA COLI (IN RUSSIA	1634
THE POSSIBILITY OF	INHIBITING AND STOPPING BLOOD FLOW BY A MAGNETIC FIELD	0950

	INHIBITION OF BACTERIAL CELL GROWTH BY 136 GC MICROWAVES	0657
	INHIBITION OF DEMAND PACEMAKERS BY SKELETAL MUSCLE POTENTIALS	2839
	INHIBITION OF EXPERIMENTAL ARTHRITIS BY ATHERMIC PULSATING SHORT W	1827
	INHIBITION OF EXPERIMENTAL TUMOR GROWTH IN HAMSTERS BY SMALL DIREC	2619
	INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLY	0053
	INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, STRE	2753
IN VITRO AND IN VIVO	INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA	2065
OF THE NEUROGLIA IN THE PROCESS OF	INHIBITION UNDER THE EFFECT OF WEAK STIMULI	1990
HIGH GRADIENT MAGNETIC FIELD	INHIBITS EMBRYONIC DEVELOPMENT OF FROGS	2115
MEASUREMENT OF	INHOMOGENEOUS MAGNETIC FIELDS	3312
B SOLUTION FOR TRANSMISSION THROUGH	INHOMOGENEOUS PLANE LAYERS	3356
HEAT POTENTIAL DISTRIBUTION IN AN	INHOMOGENEOUS SPHERICAL MODEL OF A CRANIAL STRUCTURE EXPOSED TO MI	0052
SCHEN UND MAGNETISCHEN EIGENSHAFTEN	INHOMOGENER DIELEKTRIKEN, INSHESONDERE BIOLOGISCHER KORPER, IM DEZ	3486
EEN PERIPHERAL NERVE AND A CONSTANT	INHOMOGENOUS MAGNETIC FIELD	1002
E PATHOPHYSIOLOGY OF ACUTE ELECTRIC	INJURIES	2321
TREATMENT OF SOFT-TISSUE	INJURIES BY PULSED ELECTRICAL ENERGY	1829
VITREO-RETINAL	INJURIES DUE TO MICROWAVE RADIATION	2311
POTENTIAL MICROWAVE	INJURIES IN CLINICAL MED	1008
YNAMIC CURRENTS IN THE TREATMENT OF	INJURIES OF JOINTS (IN RUSSIAN)	2069
AL ENHANCEMENT OF HEALING IN COMBAT	INJURIES TO HARD AND SOFT TISSUES	1428
MICROWAVE-INDUCED	INJURIOUS EFFECTS ON THE HUMAN- EMBRYO IN UTERO	3422
IDING DYSFUNCTION AFTER SPINAL CORD	INJURY	0009
CUTANEOUS MICROWAVE	INJURY	1811
THE NATURAL HISTORY OF ELECTRICAL	INJURY	2535
CHANGES AS INDICATORS OF RADIATION	INJURY	2574
	INJURY AND RECOVERY OF THE MOUSE ORGANISM AFTER MICRO- WAVE (2,400	0194
THE EFFECTS OF	INJURY AND RESTORATION OF THE ORGANISM OF RATS UNDER MICROWAVE IRR	0440
RADIATION IN THE DEPT. OF PHYSICAL	INJURY AT THE INST. OF INDUSTRIAL MED	1922
ETIC COLONY-FORMING UNITS FOLLOWING	INJURY BY 2450 MHZ MICROWAVE IRRADIATION	3386
PERIPHERAL NERVE	INJURY FROM IMPLANTATION OF CHRONIC STIMULATING ELECTRODES FOR PAI	1878
AL CHARACTER AND TIME OF POSTMORTEM	INJURY OF TISSUES AND ORGANS BY SUPERHIGH RADIOFREQUENCIES (IN RUS	2074
EXPERIMENTAL	INJURY TO THE EYE WITH ULTRA-HIGH-FREQUENCY EM FIELDS	1859
CUTANEOUS MICROWAVE	INJURY : REPORT OF TWO CASES	2838
CY ELECTRIC FIELDS FOR STORED GRAIN	INSECT CONTROL	0978
CY ELECTRIC FIELDS FOR STORED-GRAIN	INSECT CONTROL	0983
STORED-GRAIN	INSECT CONTROL STUDIES WITH RADIO-FREQUENCY ENERGY	0977
MICROWAVES CAN KILL	INSECT PESTS	0240
ABNORMAL DEVELOPMENT OF IRRADIATED	INSECT PUPAE	0456
	INSECT TERATOGENESIS IN A STANDING-WAVE IRRADIATION SYSTEM	2755
	INSECT-CONTROL POSSIBILITIES OF EM ENERGY	0979
	INSECT-CONTROL POSSIBILITIES USING MICROWAVES AND LOWER FREQUENCY	2285
	INSECT-CONTROL STUDIES WITH MICROWAVES AND OTHER RADIOFREQUENCY EN	0980
DISINFESTING PROCESS HERTZ ONLY	INSECTS	1317
DEPENDENCE OF ENERGY ABSORPTION BY	INSECTS AND GRAIN IN ELECTRIC FIELDS	0981
DEPENDENCE OF ENERGY ABSORPTION BY	INSECTS AND GRAIN IN ELECTRIC FIELDS	3559
MICROWAVE DIELECTRIC PROPERTIES OF	INSECTS AND GRAIN KERNELS	0840
CIRCADIAN RHYTHMS IN PLANTS,	INSECTS AND MAMMALS EXPOSED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS	1781
CONTROL OF GRAIN	INSECTS BY MICROWAVE POWER	3066
ANCE OF ANTENNAE FOR ORIENTATION OF	INSECTS IN A NON-UNIFORM MICROWAVE EM FIELD	1847
USE OF MICROWAVE HEATING TO CONTROL	INSECTS IN CIGARETTE MANUFACTURE	1801
OF ELECTRIC AND MAGNETIC FIELDS ON	INSECTS IN MOTION	1674
IATION GIVES ORIENTATION TO VARIOUS	INSECTS MOVING ACROSS HARD- SURFACE ROADS	0916
POSSIBILITIES FOR CONTROLLING	INSECTS WITH MICROWAVES AND LOWER FREQUENCY RF ENERGY	0791
SPERMATOZOAN ACTIVITY AND	INSEMINATION IN TENEBRIO MOLITOR FOLLOWING RADIOFREQUENCY ELECTRIC	1927
THE	INSENSITIVITY OF FROG HEART RATE TO PULSE MODULATED MICROWAVE ENER	0844
ELECTRONIC NOISE FOR THE THERAPY OF	INSOMNIA AND NEUROSIS (IN CZECHOSLOVAKIAN)	1413
THE EFFECTS OF ELECTROSLEEP ON	INSOMNIA REVISITED	1307
THE EFFECT OF	INSTRUMENT AVERAGING TIME ON MICROWAVE POWER DENSITY MEASUREMENTS	0614
THE EFFECT OF	INSTRUMENT AVERAGING TIME ON MICROWAVE POWER DENSITY MEASUREMENTS,	3031
A COMPARISON OF	INSTRUMENT PERFORMANCE IN MEASURING X-RAY TUBE CURRENT AND MAS	0630
IN THE NARDA 81100 MICROWAVE SURVEY	INSTRUMENT , BRH/DEP N71-2	3040
NEAR FIELD	INSTRUMENTATION	0551
TIVE PRESSURE SENSOR FOR BIOMEDICAL	INSTRUMENTATION	0751
MICROWAVE LEAKAGE	INSTRUMENTATION	1547
MICROWAVE SURVEY	INSTRUMENTATION	3184

	INSTRUMENTATION	AND APPLICATIONS OF LOW-FREQUENCY MAGNETOTHERAPY	2121
E- AND H- FIELD	INSTRUMENTATION	AND CALIBRATION BELOW 500 MHZ	2204
MICROWAVE	INSTRUMENTATION	BASED ON FREQUENCY PERTURBATION TECHNIQUES	2936
SPECIFICATIONS FOR TECHNIQUES AND	INSTRUMENTATION	FOR EVALUATING RADIO-FREQUENCY HAZARDS TO PERSONNE	3460
METHODS AND	INSTRUMENTATION	FOR THE EVALUATION AND CALIBRATION OF MICROWAVE SU	2205
TECHNIQUES +	INSTRUMENTATION	FOR THE MEAS OF RF POWER DENSITIES ASSOCIATED WITH	3305
TECHNIQUES AND	INSTRUMENTATION	FOR THE MEASUREMENT OF POTENTIALLY HAZARDOUS EMR A	0616
	INSTRUMENTATION	TECHNIQUES FOR MEASURING THE EFFECTS OF ELECTRIC A	1674
OWER METERS FOR USE WITH ULTRASONIC	INSTRUMENTATION	, (FDA) 73-8030, BRH/DEP N73-3	3044
MICROWAVE RADIATION	INSTRUMENTATION		0178
AND CALIBRATION OF MICROWAVE SURVEY	INSTRUMENTS		0058
A COMPARISON OF MICROWAVE DETECTION	INSTRUMENTS		0776
RF RESPONSE OF RADIATION SURVEY	INSTRUMENTS		1286
AND CALIBRATION OF MICROWAVE SURVEY	INSTRUMENTS		2205
OOK ON THE USE OF RADIO-MEASUREMENT	INSTRUMENTS	(1969)	3160
SIMPLE X-RAY DETECTOR	INSTRUMENTS	FOR TELEVISION. SERVICE TECHNICIANS - BRH/DEP 70-14	3055
OVEN TESTERS: INEFFECTIVE	INSTRUMENTS	OR A POTENTIAL CONSUMER-SALES GOLD MINE?	0408
PERFORMANCE OF X-RAY MEASUREMENT	INSTRUMENTS	WHEN SUB- JECTED TO ENVIRONMENTAL LEVEL RF FIELDS	0418
THE MATURING OF EMR HAZARD	INSTRUMENTS		0126
RESPONSE OF	INSULATED	ELECTRIC FIELD PROBES IN FINITE HETEROGENEOUS BIOLOGICAL	0051
ISON OF ELECTRICALLY SHORT BARE AND	INSULATED	PROBES FOR MEASURING THE LOCAL RADIO FREQUENCY ELECTRIC	1726
AIR GAPS AND THE SELECTION OF LINE	INSULATING	CLEARANCES: THE SELECTION OF LINE INSULATION IN NORMAL	3591
CLEARANCES: THE SELECTION OF LINE	INSULATION	IN NORMAL AND POLLUTED CONDITIONS	3591
SHOCK THRESHOLD FIXES APPLIANCE	INSULATION	RESISTANCE	3281
MBLIES USING SEMI-CONDUCTING GLAZED	INSULATORS		3105
PATHOGENESIS OF	INSULIN	DEFICIENCY INDUCED BY ALTERNATING MAGNETIC FIELD OF INDUST	0014
PATHOGENESIS OF	INSULIN	DEFICIENCY ON EXPOSURE TO COMMERCIAL-FREQUENCY ALTERNATING	0249
SIMETRY SYSTEM FOR MEASURED SAMPLED	INTEGRAL-DOSE	RATE	0805
	INTEGRATED	CIRCUIT ELECTROMAGNETIC SUSCEPTIBILITY INVESTIGATION -	3139
BY SINUSOIDAL MODULATED CURRENT IN	INTEGRATED	TREATMENT OF PATIENTS WITH SPINAL CORD DISEASES AND WIT	0215
	INTEGRATING	MILLIAMPERE-SECONDS METER, (FDA) 73-8004, BRH/DEP N73-	3043
REQUENCY RADIATION: COMPILATION AND	INTEGRATION	OF REPORT AND SEVEN SUPPLEMENTS	0483
EMISSION OF	INTENSE	MICROWAVE RADIATION FROM AN AUTOMODULATED RELATIVISTIC ELE	0956
EFFECTS OF	INTENSE	MICROWAVE RADIATION ON LIVING ORGANISMS	0460
R'S OF THE MILLIMETER WAVELENGTH TO	INTENSIFY	THE BIOLOGICAL PROPERTIES OF BLOOD PROTEINS	2346
ENCE OF MICROWAVE RADIATION AT HIGH	INTENSITIES		2258
ENVIRONMENTAL RADIOFREQUE' CY FIELD	INTENSITIES		3094
INFLUENCE OF SHF FIELDS OF VARIOUS	INTENSITIES	AND IN RADIOWAVE SICKNESS	1442
TELEVISION FIELD	INTENSITIES	AT THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, MAY-JU	3552
ITATION IN MEASUREMENTS OF HF FIELD	INTENSITIES	FOR PROTECTION AGAINST RADIATION HAZARDS	2835
FOR MEASUREMENT OF HAZARDOUS FIELD	INTENSITIES	FROM 0.4 TO 40 GHZ	3297
ENVIRONMENTAL RADIOFREQUENCY FIELD	INTENSITIES	II	1717
A MEASUREMENT OF RF FIELD	INTENSITIES	IN THE IMMEDIATE VICINITY OF AN FM BROADCAST STATION A	1701
CALCULATED FIELD	INTENSITIES	NEAR A HIGH POWER UHF BROADCAST INSTALLATION	0754
HYGIENIC EVALUATION OF THE	INTENSITIES	OF EM RADIOFREQUENCY FIELDS, X-RADIATION AND CONSTANT	1340
SUPERHIGH FREQUENCY FIELDS OF HIGH	INTENSITIES	ON THE BLOOD COAGULATION SYSTEM	1480
ENCE OF MICROWAVE RADIATION AT HIGH	INTENSITIES	ON THE ORGANISM	2256
IRRADIATION WITH MICRO-WAVES OF LOW	INTENSITY		0607
ERHIGH FREQUENCY IRRADIATION OF LOW	INTENSITY		1481
INDUSTRIAL FREQUENCY ELECTRIC FIELD	INTENSITY		1935
EXPOSURE TO MICROWAVES OF DIFFERENT	INTENSITY		2360
SLOT ARRAY WITH CONSTANT RADIATION	INTENSITY		2740
TRA-HIGH FREQUENCY FIELDS OF VARIED	INTENSITY		2870
OLOGICAL EFFECT OF MICROWAVE OF LOW	INTENSITY		3065
NDER THE EFFECT OF UHF FIELD OF LOW	INTENSITY	(IN RUSSIAN)	1399
CLES IN A MAGNETIC FIELD OF VARYING	INTENSITY	(IN RUSSIAN)	2216
VITY AND THE EARTH'S MAGNETIC FIELD	INTENSITY	(IN RUSSIAN)	2690
ILY URINE OF ANIMALS EXPOSED TO LOW	INTENSITY	10 CM WAVES	1358
HYSARUM POLYCEPHALUM INDUCED BY LOW	INTENSITY	60 AND 75 HZ EM FIELDS	0907
D PRACTICE FOR MEASUREMENT OF FIELD	INTENSITY	ABOVE 300 MC FROM RADIO-FREQUENCY INDUSTRIAL, SCIENTIFIC	3518
ULT OF CHRONIC IRRADIATION WITH LOW	INTENSITY	CENTIMETER WAVELENGTHS	1352
THE EFFECT OF LOW	INTENSITY	CENTIMETER WAVES ON THE FERTILITY OF FEMALE MICE	1361
CHANGES UNDER THE INFLUENCE OF LOW	INTENSITY	CHRONIC MICROWAVE IRRADIATIONS	1445
EFFECT OF A HIGH	INTENSITY	CONSTANT MAGNETIC FIELD ON PROLIFERATION OF EPITHELIAL C	0065
CLINICAL EXPERIENCES WITH LOW	INTENSITY	DIRECT CURRENT STIMULATION OF BONE GROWTH	2779

HEORY FOR NERVE EXCITATION BY A LOW	INTENSITY EM FIELD	0647
IN AREAS IN RODENTS EXPOSED TO HIGH	INTENSITY FIELDS	1290
EASUREMENTS OF RADIOFREQUENCY FIELD	INTENSITY IN BUILDINGS WITH CLOSE PROXIMITY TO BROADCAST STATIONS	0108
STRUCTURES ON EXPOSURE TO VERY LOW	INTENSITY IRRADIATION	1461
ENCE OF EXTREMELY LOW FREQUENCY LOW	INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2	3274
ENCE OF EXTREMELY LOW FREQUENCY-LOW	INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 1	0764
ENCE OF EXTREMELY LOW FREQUENCY-LOW	INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2	0765
ENCE OF EXTREMELY LOW FREQUENCY-LOW	INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 3	0766
OSED TO EXTREMELY LOW FREQUENCY-LOW	INTENSITY MAGNETIC FIELDS	1212
RF FIELD	INTENSITY MEASUREMENTS IN SELECTED BROADCAST FACILITES	1643
ING FORMULAS FOR ANTENNAS AND FIELD	INTENSITY METERS	3292
S IN HEALTHY HUMANS EXPOSED TO LOW-	INTENSITY MICROWAVE FIELDS	2262
ND ENZYME HISTOCHEMISTRY AFTER HIGH	INTENSITY MICROWAVE IRRADIATION	0853
T FIXATION OF BRAIN IN SITU BY HIGH	INTENSITY MICROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL STUD	1123
LOW	INTENSITY MICROWAVE RADIATION AND THE VIRULENCE OF AGROBACTERIUM T	0022
EFFECTS OF LOW	INTENSITY MICROWAVE RADIATION ON MAMMALIAN SERUM PROTEINS	0922
HYROID BY LOCAL APPLICATION OF HIGH	INTENSITY MICROWAVES	2824
RE RELATING TO THE INFLUENCE OF LOW	INTENSITY MICROWAVES ON NERVOUS FUNCTION	2512
EFFECTS OF LOW	INTENSITY MICROWAVES ON PERFORMANCE	0506
P PROCESS OF RABBITS EXPOSED TO LOW	INTENSITY NONIONIZING EMR. I. DEVELOPMENT OF METHODOLOGY	2174
FORECASTING THE	INTENSITY OF UHF RADIATION	1395
ALLIC INCLUSIONS IN THE BODY ON THE	INTENSITY OF ULTRAHIGH-FREQUENCY RADIATION	1694
EFFECT OF UHF FIELD OF SMALL	INTENSITY ON INDICES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS	2079
RHIGH FREQUENCY FIELDS OF DIFFERENT	INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MANGANESE, MOLY	1505
COMMERCIAL FREQUENCY AND DIFFERENT	INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MOLYBDENUM AND	2808
BIOEFFECTS IN RESPONSE TO A LOW	INTENSITY PULSED 9,400 MHZ MICROWAVE ELECTROMAGNETIC FIELD	0415
ATING THE BIOLOGICAL EFFECTS OF LOW	INTENSITY PULSED MICROWAVE RADIATION	0790
HIGH	INTENSITY RADIATION PRODUCES CONVULSIONS, DEATH IN MONKEY	0621
C INDICES IN RESPONSE TO NONTHERMAL	INTENSITY RADIOWAVES	2805
EFFECT OF MICROWAVES IN THE THERMAL	INTENSITY RANGE ON MICE. BODY WEIGHT, RECTAL TEMPERATURE, RESPIRAT	0120
E TO AN EXTREMELY LOW FREQUENCY-LOW	INTENSITY ROTATING MAGNETIC FIELD AND INCREASES IN THYROID AND TES	0667
EXPLORATORY FIELD	INTENSITY SURVEYS NEAR FAA TRANSMITTING ANTENNAS	1953
BEHAVIORAL EFFECTS OF LOW	INTENSITY UHF RADIATION	1542
STUDIES ON EM IRRADIATION WITH LOW	INTENSITY USW, SW, AND MW	1456
OBES USED FOR EXPLORATORY FAA FIELD	INTENSTIY SURVEYS	1952
IRRADIATION AND AMBIENT TEMPERATURE	INTERACT TO ALTER RAT BEHAVIOR FOLLOWING OVERNIGHT EXPOSURE	0417
	INTERACTION BETWEEN 2450-MHZ MICROWAVES AND IONIZING RADIATION IN	0035
	INTERACTION BETWEEN A LINEARLY POLARIZED ELECTROMAGNETIC PLANE AND	3088
	INTERACTION BETWEEN A LINEARLY POLARIZED ELECTROMAGNETIC PLANE WAV	3551
	INTERACTION BETWEEN AN ELECTROMAGNETIC PLANE WAVE AND A SPHERICAL	2959
MATHEMATICS OF	INTERACTION BETWEEN BLOOD AND EM FIELDS	1655
ANALYSIS OF MODELS FOR THE STUDY OF	INTERACTION BETWEEN EM FIELDS AND BIOLOGICAL TISSUES TO EVALUATE T	2635
	INTERACTION BETWEEN MICROWAVE AND NEUROACTIVE COMPOUNDS	2663
	INTERACTION BETWEEN MICROWAVES AND MILLIMETER-WAVE ELECTROMAGNETIC	3269
STRONG AND PERMANENT	INTERACTION BETWEEN PERIPHERAL NERVE AND A CONSTANT INHOMOGENOUS M	1002
BIOLOGICAL	INTERACTION BETWEEN RADIOFREQUENCY EM WAVES AND IONIZING RADIATION	0910
AN INTRODUCTION TO ELECTROMAGNETIC	INTERACTION HAZARDS OF ELECTROMEDICAL EQUIPMENT	3385
	INTERACTION OF A 2450-MHZ MICROWAVE FIELD WITH THERMOCOUPLES AND T	1194
MECHANISM OF	INTERACTION OF ALTERNATING ELECTRICAL FIELD OF INDUSTRIAL FREQUENC	3411
	INTERACTION OF EM FIELDS AND LIVING SYSTEMS	1254
MENTAL AND THEORETICAL STUDY ON THE	INTERACTION OF EM FIELDS WITH ARBITRARILY SHAPED BIOLOGICAL BODIES	2070
OSSIBLE PHYSICAL SUBSTRATES FOR THE	INTERACTION OF EM FIELDS WITH BIOLOGIC MEMBRANES	1064
	INTERACTION OF EM FIELDS WITH MAN AND EXPERIMENTAL ANIMALS	1291
	INTERACTION OF EM TRANSIENT RADIATION WITH BIOLOGICAL MATERIALS	0900
A PILOT STUDY OF THE	INTERACTION OF EXTREMELY LOW FREQUENCY EM FIELDS WITH BRAIN ORGANE	0799
CATION BINDING MODELS FOR THE	INTERACTION OF MEMBRANES WITH EM FIELDS	2423
	INTERACTION OF MICROWAVE AND RADIO FREQUENCY RADIATION WITH BIOLOG	1523
	INTERACTION OF MICROWAVE AND RADIO FREQUENCY RADIATION WITH MOLECU	1533
CURRENT VIEWS ON MECHANISMS OF	INTERACTION OF MICROWAVE AND RADIOFREQUENCY RADIATION WITH LIVING	2476
	INTERACTION OF MICROWAVE AND RF ENERGY ON BIOLOGICAL MATERIAL	0777
PERTIES OF BIOLOGICAL MATERIALS AND	INTERACTION OF MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVE	0873
PRINCIPLES OF	INTERACTION OF MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVE	1255
PRINCIPLES OF	INTERACTION OF MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVE	3270
	INTERACTION OF MICROWAVE FREQUENCY AND POLARIZATION WITH ANIMAL SI	2196
	INTERACTION OF RADIOFREQUENCY AND MICROWAVE RADIATION WITH LIVING	0109

THE	INTERACTION OF STATIC AND ALTERNATING ELECTRIC FIELDS WITH BIOLOGI	3605
	INTERACTION OF TWO CROSS-POLARIZED EM WAVES WITH MAMMALIAN CRANIAL	1243
	INTERACTION OF ULTRASOUND AND BIOLOGICAL TISSUES: PROCEEDINGS OF A	3081
TO THE	INTERACTION PHENOMENA BETWEEN INDUSTRIAL FREQUENCY AC (50 HZ) FIEL	0165
AR MECHANISMS UNDERLYING BIOLOGICAL	INTERACTION WITH EM RADIATION	2425
LOW-LEVEL MICROWAVE	INTERACTION WITH ISOLATED MAMMALIAN HEARTS	2446
EM PULSE	INTERACTION WITH MAMMALIAN CRANIAL STRUCTURES	1226
HAZARDOUS EM	INTERACTION WITH MEDICAL ELECTRONICS	2287
HYSICAL CHARACTERISTICS OF EM FIELD	INTERACTION WITH MOLECULAR SYSTEMS	2424
MICROWAVE	INTERACTION WITH THE AUDITORY SYSTEMS OF HUMANS AND CATS	1046
AND EUCARYOTIC CELLS AND A POSSIBLE	INTERACTION WITH X-RAYS	1137
ADIATION TO STUDY PLANT-ENVIRONMENT	INTERACTIONS	1803
BIOPHYSICAL BASES OF TISSUE	INTERACTIONS	2427
EMETRY RF EXPOSURE? A REVIEW ON THE	INTERACTIONS BETWEEN EM FIELDS AND BIOSYSTEMS	2027
	INTERACTIONS BETWEEN INTRINSIC MEMBRANE PROTEIN AND ELECTRIC FIELD	2367
	INTERACTIONS BETWEEN NERVOUS TISSUES AND WEAK ENVIRONMENTAL ELECTR	2172
S OF LONG- AND SHORT-RANGE ELECTRIC	INTERACTIONS OF BIOLOGICAL SYSTEMS	2426
ELECTROMAGNETIC	INTERACTIONS WITH BIOLOGICAL MATERIALS	3232
ON THE EFFECT OF FREQUENCY IN EM	INTERACTIONS WITH BIOLOGICAL SYSTEMS	2543
RF-FIELD	INTERACTIONS WITH BIOLOGICAL SYSTEMS: ELECTRICAL PROPERTIES AND BI	0393
SOME TISSUE DETERMINANTS OF	INTERACTIONS WITH ELECTRIC FIELDS	2429
BRAIN	INTERACTIONS WITH WEAK ELECTRIC AND MAGNETIC FIELDS	1660
ON THE	INTERDEPENDENCE OF THERMAL AND EM EFFECTS IN THE RESPONSE OF BACIL	2407
ELECTRICAL PARAMETERS OF BIOLOGICAL	INTEREST	3488
LECTRIC-FIELD PROBE NEAR A MATERIAL	INTERFACE WITH APPLICATION TO THE PROBING OF FIELDS IN BIOLOGICAL	0093
MAGNETS	INTERFERE WITH PIGEON HOMING	2109
IRICAL STUDIES OF CARDIAC PACEMAKER	INTERFERENCE	1019
PACEMAKERS AND EXTERNAL	INTERFERENCE	2009
CARDIAC PULSE GENERATORS AND EM	INTERFERENCE	2041
IN THE REGULATORY CONTROL OF RADIO	INTERFERENCE	2980
ADAPTING TO MORE	INTERFERENCE	3118
EFFECTS OF EM	INTERFERENCE (2450 MHZ) ON CARDIAC PACEMAKERS	1285
CARDIAC PACEMAKER EM	INTERFERENCE (3050 MHZ)	0649
BIOLOGICAL ELECTRO-MAGNETIC	INTERFERENCE (BEMI)	0243
	INTERFERENCE ANALYSIS OF A PROPOSED LORAN-C STATION AT TWENTYNINE	3597
RADIATION HAZARDS AND	INTERFERENCE AND COMPATIBILITY MONITORING AND MEASUREMENTS FOR UHF	3510
ELECTROMAGNETIC	INTERFERENCE AND RADIATION HAZARDS	2994
THE RADIO	INTERFERENCE FIELD OF AN OVERHEAD TRANSMISSION LINE	3020
'COMMENTS ON 'THE RADIO	INTERFERENCE FIELD OF AN OVERHEAD TRANSMISSION LINE''	3018
IZING RADIATION AND ELECTROMAGNETIC	INTERFERENCE FROM RADIOTHERAPY MACHINES	3417
	INTERFERENCE HAZARDS WITH AUSTRALIAN NON-COMPETITIVE ('DEMAND') PA	3580
FLUOROSCOPE-GENERATED EM	INTERFERENCE IN AN EXTERNAL DEMAND PACEMAKER--REPT. OF A CASE	2370
EASUREMENT TECHNIQUES FOR AUTOMATED	INTERFERENCE MEASUREMENTS (3 TO 300 MEGAHERTZ) IN SHIELDED CHAMBEI	3619
EM	INTERFERENCE OF CARDIAC PACEMAKERS	1602
EFFECT OF EM	INTERFERENCE ON CARDIAC PACEMAKERS	1999
	INTERFERENCE PATTERNS OF A HORIZONTAL ELECTRIC DIPOLE OVER LAYERED	0748
ANSMISSION LINE FOR ELECTROMAGNETIC	INTERFERENCE SUSCEPTIBILTY TESTING	3513
	INTERFERENCE WITH CARDIAC PACEMAKER FUNCTION	2028
MICROWAVE OVEN	INTERFERENCE WITH CARDIAC PACEMAKERS	0552
EMR	INTERFERENCE WITH CARDIAC PACEMAKERS	0792
	INTERFERENCE WITH CARDIAC PACEMAKERS BY DIATHERMY TESTED IN VARIOU	0235
MICROWAVE	INTERFERENCE WITH THE FUNCTION OF AN IMPLANTED CARDIAC PACEMAKER	0260
PRACTICAL EXPERIENCE WITH	INTERFERENCE-CURRENT THERAPY OF MEN WITH VEGETATIVE UROGENITAL COM	0018
PACEMAKER	INTERFERENCE : A LOW RISK	1237
TH ALLOWANCES FOR CORONA LOSSES AND	INTERFERENCES : METHOD OF THEIR MEASUREMENT	3593
A HOLOGRAPHIC	INTERFEROMETER FOR MEASURING RADIATION ENERGY DEPOSITION PROFILES	3301
ND APPLICATION OF SPECIAL MICROWAVE	INTERFEROMETERS FOR NON-INVASIVE STUDIES OF BIOLOGICAL EFFECTS	2409
	INTERFEROMETRIC MEASUREMENTS OF THE COMPLEX DIELECTRIC CONSTANT OF	3570
OF ABSORPTIVE LIQUIDS BY MICROWAVE	INTERFEROMETRY	3332
RODELESS METHOD FOR DETERMINING THE	INTERIOR FIELD OF BIOLOGICAL MATERIALS	1235
THE EFFECTS OF	INTERMITTENT AND CONTINUOUS IRRADIATION ON CHANGES IN THE SECRETOR	1450
THE EFFECTS OF	INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF T	1447
THE EFFECTS OF	INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF T	1448
TIC EFFECT OF PULSED SHORT WAVES IN	INTERMITTENT CLAUDICATION	0490
EFFECT OF CONTINUOUS AND	INTERMITTENT IRRADIATION BY AN ULTRAHIGH-FREQUENCY FIELD ON THE RA	1860

PLEX REACTION OF LYMPHOID TISSUE TO	INTERMITTENT MAGNETIC FIELDS	1997
CELLULAR RESPIRATION IN	INTERMITTENT MAGNETIC FIELDS	2117
FFECT OF CONSTANT AND LOW-FREQUENCY	INTERMITTENT MAGNETIC FIELDS (SURVEY OF THE LITERATURE)	2135
IOLOGICAL EFFECTS OF CONTINUOUS AND	INTERMITTENT MICROWAVE RADIATION	1449
THE EFFECTS OF CONTINUOUS AND	INTERMITTENT MICROWAVE RADIATION ON WEIGHT AND ARTERIAL PRESSURE D	1446
	INTERNAL CONDUCTIVITY OF ESCHERICHIA COLI	2499
	INTERNAL CURRENT GAIN IN MICROWAVE-BIASED GALLIUM-DOPED SILICON 8-	3354
MODIFICATION OF	INTERNAL DISCRIMINATIVE STIMULUS CONTROL OF BEHAVIOR BY LOW LEVELS	2161
	INTERNAL DOSIMETRY AND EXTERNAL MICROWAVE FIELD MEASUREMENTS USING	2668
QUANTIFICATION & MEASUREMENT OF	INTERNAL ELECTRO- MAGNETIC FIELDS INDUCED IN FINITE BIOLOGICAL BOD	0137
T TECHNIQUE FOR CALCULATING INDUCED	INTERNAL FIELDS AND POWER DEPOSITION IN BIOLOGICAL MEDIA OF COMPLE	2670
MORTALITY AND	INTERNAL HEATING IN RADIOFREQUENCY-TREATED LARVAE OF TENEBRIO MOLI	0962
CHANGES IN THE FUNCTIONS OF THE	INTERNAL ORGANS OF PERSONNEL OPERATING MICROWAVE GENERATORS	2263
EFFECTS OF MICROWAVE IRRADIATION ON	INTERNAL TEMPERATURE AND VIABILITY IN MICE	1579
	INTERNATIONAL COLLABORATION ON THE HEALTH EFFECTS OF NONIONIZING R	0285
INTERDISCIPLINARY AND	INTERNATIONAL CONTRIBUTIONS TO RESEARCH ON BIOLOGICAL EFFECTS OF E	0080
	INTERNATIONAL COOPERATION ON NON-IONIZING RADIATION PROTECTION	2228
	INTERNATIONAL ELECTROMAGNETIC COMPABILITY SYMPOSIUM RECORD	2982
A REVIEW OF	INTERNATIONAL MICROWAVE EXPOSURE GUIDES	0771
AN	INTERNATIONAL PROGRAM FOR MICROWAVE EXPOSURE PROTECTION	0802
	INTERNATIONAL SYMPOSIUM ON 'BIOLOGICAL EFFECTS OF MICROWAVES AND H	1512
EVALUATION OF THE	INTERNATIONAL SYMPOSIUM ON BIOLOGIC EFFECTS AND HEALTH HAZARDS OF	1688
	INTERNATIONAL SYMPOSIUM ON BIOLOGIC EFFECTS AND HEALTH HAZARDS OF	3069
	INTERNATIONAL TRENDS IN EMR BIOEFFECTS RESEARCH	2789
S, AND IONS--MIND/BODY/ ENVIRONMENT	INTERRELATIONSHIPS	1662
RELATION OF	INTERRUPTED PULSED MICROWAVES TO BIOLOGICAL HAZARDS	0470
THE	INTERRUPTION OF PREGNANCY USING MICROWAVE RADIATION	2876
EFFECTS OF	INTERSITIAL IRRADIATION ALONE, OR COMBINATION WITH LOCALIZED HYPER	3423
AN	INTERSTITIAL DEVICE FOR MICROWAVE HYPERTHERMIA OF HUMAN TUMORS	0329
THE USE OF IODINE-125 FOR	INTERSTITIAL IMPLANTS	0948
OXIDE: SYNERGISTIC EFFECTS ON FIXED	INTERVAL BEHAVIOR	0103
FIXED	INTERVAL BEHAVIOR OF RATS EXPOSED TO MICROWAVES AT LOW POWER DENSI	2764
THE EFFECT OF SEQUENCE AND TIME	INTERVALS OF COMBINED HYPERTHERMIA AND RADIATION TREATMENT OF A SO	2819
OSIS OF THE EPITHELIUM OF THE SMALL	INTESTINAL GLANDS IN THE RAT (IN FRENCH)	2854
THE TISSUES OF LIVER AND THE SMALL	INTESTINE OF RATS EXPOSED TO HIGH FREQUENCY ELECTROMAGNETIC FIELDS	0146
THE TISSUES OF THE LIVER AND SMALL	INTESTINE OF RATS UNDER THE ACTION OF HIGH FREQUENCY ELECTROMAGNET	0231
N EPITHELIUM OF GLANDS OF THE SMALL	INTESTINE OF THE RAT AFTER ELECTROTHERMOCOAGULATION OF THE TUBERO-	2855
ABSORPTIVE ACTIVITY OF STOMACH AND	INTESTINE UNDER THE INFLUENCE OF A UHF ELECTRIC FIELD	1856
DEFORMITY AND	INTRA-UTERINE DEATH AFTER SHORT-WAVE THERAPY IN EARLY PREGNANCY IN	2879
ABNORMALITIES AND	INTRA-UTERINE DEATH FOLLOWING MICROWAVE THERAPY IN EARLY PREGNANCY	0670
	INTRACARDIAC CATHETER FIBRILLATION THRESHOLDS AS A FUNCTION OF THE	1520
TS OF NITELLOPSIS OBTUSA CELLS WITH	INTRACELLULAR ELECTRODES	0870
	INTRACELLULAR HYPERTHERMIA: A BIOPHYSICAL APPROACH TO CANCER TREAT	0076
AL APPROACH TO CANCER TREATMENT VIA	INTRACELLULAR TEMPERATURE AND BIOPHYSICAL ALTERATIONS	0076
EFFECTS OF EMR ON IMPLANTATION AND	INTRAUTERINE DEVELOPMENT OF THE RAT	1087
DISTRIBUTION SURROUNDING COILS FOR	INTRAUTERINE DIAGNOSTIC PROCEDURES	1959
DETERMINING	INTRAVITAL CHARACTER AND TIME OF POSTMORTEM INJURY OF TISSUES AND	2074
MICROWAVES: THE SILENT	INVADERS	2906
AN	INVASIVE MICROWAVE ANTENNA FOR LOCALLY-INDUCED HYPER- THERMIA FOR	0438
ITH LOCALIZED HYPERTHERMIA USING AN	INVASIVE MICROWAVE SYSTEM	0226
YGEN CONSUMPTION IN FOUR SPECIES OF	INVERTEBRATES AND A VERTEBRATE NATURALLY EXPOSED TO SANGUINE EM FI	1706
ELECTROMAGNETIC SPECTRUM CONGESTION	INVESTIGATION	2965
CONGENITAL ANOMALIES: A LOCALIZED	INVESTIGATION	3140
CUIT ELECTROMAGNETIC SUSCEPTIBILITY	INVESTIGATION - PHASE III	3139
	INVESTIGATION OF AN ASSUMED SYNERGISTIC EFFECT OF RADIO FREQUENCY	0228
AN	INVESTIGATION OF ENERGY DENSITIES IN THE VICINITY OF VEHICLES WITH	0167
	INVESTIGATION OF FLUORESCENCE POLARIZATION OF CHLORELLA CELLS AND	0197
A PHYSICAL	INVESTIGATION OF HEAT PRODUCTION IN HUMAN TISSUES WHEN EXPOSED TO	0465
LASERS AS A COMBINED TEST MODEL FOR	INVESTIGATION OF HYPERTHERMIA TREATMENT OF CANCER	1619
A THEORETICAL	INVESTIGATION OF MICROWAVE IRRADIATION OF SEEDS IN SOIL	1125
	INVESTIGATION OF PERSONNEL HAZARD ASSOCIATED WITH RADIO- FREQUENCY	2573
METHODS FOR THE	INVESTIGATION OF RADIATION FIELD DISTRIBUTION OF RADAR STATIONS AT	1438
HISTOMORPHOLOGICAL	INVESTIGATION OF REGENERATION OF WOUNDS IN ANIMALS EXPOSED TO THE	1519
	INVESTIGATION OF SINGLE-EXPOSURE MICROWAVE OCULAR EFFECTS AT 3000	1065
PRELIMINARY	INVESTIGATION OF THE APPLICATIONS OF MAGNETIC RESONANCE ABSORPTION	1472

	INVESTIGATION OF THE BIOLOGICAL EFFECTS OF MICROWAVES ON THE OCULA	1362
AN	INVESTIGATION OF THE BOUND WATER IN TENDON BY DIELECTRIC MEASUREME	3213
	INVESTIGATION OF THE EFFECT OF IRRADIATION CONDITIONS ON THE NERVO	2008
	INVESTIGATION OF THE EFFECT OF LOW-INTENSITY UHF EM WAVES ON BACIL	1633
A RADAR	INVESTIGATION OF THE EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS	1756
ROBLEMS AND RESULTS OF EXPERIMENTAL	INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROORGANISMS AND A	2300
A PRELIMINARY	INVESTIGATION OF THE RELATION BETWEEN ATMOSPHERIC QUALITY AND CRIM	0639
	INVESTIGATION OF THE RESPONSE OF THE MICROLITE 287 PROBE TO MICROW	3033
AN	INVESTIGATION OF THE THERMAL AND ATHERMAL EFFECTS OF MICROWAVE IRR	0183
AN	INVESTIGATION OF THE USE OF MICROWAVE RADIATION FOR PULMONARY DIAG	1241
ANALYTICAL AND EXPERIMENTAL	INVESTIGATION OF UNICELLULAR ORGANISMS WITH 3-CM MICROWAVES	3212
SANITARY HYGIENIC	INVESTIGATION OF WORKING CONDITIONS DURING HIGH FREQUENCY HEATING	1516
WAVES ON HEMOPOIESIS (EXPERIMENTAL	INVESTIGATION)	2006
THE ALBINO RAT LIVER (HISTOCHEMICAL	INVESTIGATION)	2054
	INVESTIGATIONS AND RATING OF THE ORGAN OF VISION OF PERSONS EXPOSE	2578
	INVESTIGATIONS AND RATING OF THE ORGAN OF VISION OF PERSONS EXPOSE	3474
CLINICAL AND ULTRASTRUCTURAL	INVESTIGATIONS OF ELECTRICAL ENHANCEMENT OF BONE HEALING	2244
PRINCIPLES OF NEUROPHYSIOLOGICAL	INVESTIGATIONS OF MICROWAVE BIOEFFECTS AND CHANGES IN ELEMENTARY E	1461
ANNUAL PROGRESS REPT.-1958,	INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION	0543
	INVESTIGATIONS OF THE CATARACTOGENIC INFLUENCE OF MICROWAVES OF 10	0989
PRELIMINARY	INVESTIGATIONS OF THE EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON	1093
SHORTWAVE IRRADIATION: EXPERIMENTAL	INVESTIGATIONS ON ANIMALS	0541
	INVESTIGATIONS ON THE EFFECT OF AN ELECTROSTATIC FIELD FREE OF RES	2703
	INVESTIGATIONS ON THE EFFECT OF MICROWAVES ON THE EYE	0699
OENCEPHALOGRAPHIC AND MORPHOLOGICAL	INVESTIGATIONS ON THE INFLUENCE OF MICROWAVES ON THE CENTRAL NERVO	1945
NEW RESULTS OF	INVESTIGATIONS ON THE PROBLEMS OF WORK HYGIENE AND THE BIOLOGICAL	1435
	INVESTIGATIONS ON THE SUSCEPTIBILITY OF ANIMALS TO MICROWAVE (MW)	1460
SOME PRELIMINARY	INVESTIGATIONS ON THE THERAPEUTIC EFFECT OF PULSED SHORT WAVES IN	0490
	INVISIBLE BODIES	1018
	INVISIBLE ENVIRONMENT (IN GERMAN)	1625
MICROWAVE DIATHERMY: THE	INVISIBLE HEALER	0119
HOW BIRDS FOLLOW	INVISIBLE MAPS	2080
THE	INVISIBLE THREAT: THE STIFLED STORY OF ELECTRIC WAVES	0315
THE USE OF	IODINE-125 FOR INTERSTITIAL IMPLANTS	0948
EFFECTS OF	IODOACETAMIDE , X-RAYS, AND MAGNETIC FIELDS ON LYMPHOMA CELS IN VIV	2332
METAL	ION CONTENT OF SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MHZ RADI	0841
ON ERYTHROCYTE POTASSIUM AND SODIUM	ION PERMEABILITY	2020
OF ELECTRICAL FIELD STIMULATION ON	ION TRANSPORT BY RABBIT ILEUM IN VITRO	2525
ECTRIC DISPERSION IN SUSPENSIONS OF	ION-EXCHANGE RESINS	1852
WEAK ELECTRIC GRADIENTS CHANGE	IONIC AND TRANSMITTER FLUXES IN CORTEX	1493
	IONIC FACTORS IN RELEASE OF CALCIUM FROM CHICKEN CEREBRAL TISSUE B	3395
DIELECTRIC PROPERTIES OF AQUEOUS	IONIC SOLUTIONS,PART I	3197
NON	IONISING EM FIELDS: ENVIRONMENTAL FACTORS IN RELATION TO MILITARY	0837
RAMMAR FOR THE RADIOBIOLOGY OF NON-	IONISING RADIATIONS: QUANTITIES, DEFINITIONS, AND UNITS OF ABSORBE	1905
EFFECT OF EM FIELDS ON AIR	IONIZATION (IN RUSSIAN)	1632
CLINICAL TRIALS OF ELECTROPHORETIC	IONIZATION IN THE TREATMENT OF MALIGNANT TUMORS	0023
COMPARISON OF	IONIZING AND MICROWAVE RADIATIONS WITH RESPECT TO THEIR EFFECTS ON	2359
HEALTH EFFECTS OF	IONIZING AND NON-IONIZING RADIATION- REPORT ON A WORKING GROUP	3560
RADIATION SAFETY HANDBOOK FOR	IONIZING AND NONIONIZING RADIATION	0511
HEALTH EFFECTS OF	IONIZING AND NONIONIZING RADIATION	3090
BETWEEN RADIOFREQUENCY EM WAVES AND	IONIZING RADIATION	0910
HE EFFECTS ON CARDIAC PACEMAKERS OF	IONIZING RADIATION AND ELECTROMAGNETIC INTERFERENCE FROM RADIOTHER	3417
DROME, WITH PARTICULAR ATTENTION TO	IONIZING RADIATION AND RADAR	0223
ESTIMATES OF	IONIZING RADIATION DOSES IN THE UNITED STATES 1960-2000	2960
ENHANCEMENT OF	IONIZING RADIATION EFFECT ON THE TESTES OF RATS BY MICROWAVE OR UL	0125
THE EFFECTS OF	IONIZING RADIATION IN COMBINATION WITH MICROWAVES ON THE PERMEABIL	1501
ION BETWEEN 2450-MHZ MICROWAVES AND	IONIZING RADIATION IN TRIBOLIUM CONFUSUM	0035
ACTION OF	IONIZING RADIATION ON LAYING HENS	0266
CT OF RADIO FREQUENCY RADIATION AND	IONIZING RADIATION ON THE HUMAN ORGANISM	0228
CATION OF THE CYTOGENETIC EFFECT OF	IONIZING RADIATION UNDER THE INFLUENCE OF PERMANENT MAGNETIC FIELD	1595
EYE FROM EXPOSURE TO MICROWAVES AND	IONIZING RADIATIONS	1215
EFFECTS OF NON-IONIZING AND	IONIZING RADIATIONS ON THE TRANSFORMING ABILITY OF E. COLI DNA	2467
RADIO-WAVE MODIFICATION OF THE	IONOSPHERE	3505
BIOLOGICAL IMPACT OF SMALL AIR	IONS	1898
BIOLOGICAL EFFECTS OF GASEOUS	IONS (IN FRENCH)	2630

EFFECTS OF HEAVY METAL	IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICR	0015
LECTROSTATIC FIELDS, EM FIELDS, AND	IONS--MIND /BODY/ ENVIRONMENT INTERRELATIONSHIPS	1662
ESPIRATORY ACTIVITY OF MITOCHONDRIA	IRRADIATED AT 2-4 GHZ	2175
ERATURE DISTRIBUTION IN A MICROWAVE	IRRADIATED BREAST CANCINOMA: PRELIMINARY RESULTS	0295
RATE DISTRIBUTIONS IN PHANTOM HEADS	IRRADIATED BY AN APERTURE SOURCE	2590
HEATING WITHIN A CRANIAL STRUCTURE	IRRADIATED BY AN EM PLANE WAVE	0717
DUCED EM FIELDS INSIDE HUMAN BODIES	IRRADIATED BY EM WAVES OF UP TO 500 MHZ	2796
CIN-MODIFIED PHOSPHOLIPID MEMBRANES	IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)	0002
PHOSPHOLIPID MEMBRANES	IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)	3433
SICAL CHANGES IN THE LENSES OF EYES	IRRADIATED BY MICROWAVES	1581
LINDER WITH IRREGULAR CROSS SECTION	IRRADIATED BY PLANE WAVE SOURCES	1122
GROWTH RATE RESPONSE OF YEAST CELLS	IRRADIATED BY WEAK MICROWAVES	2697
EMENT OF CAMP AND CGMP IN MICROWAVE	IRRADIATED CHEST AND HEART MUSCLES (IN JAPAN)	0087
ATS TREATED WITH NEUROCHORMONES AND	IRRADIATED IN MICROWAVE FIELD UNTIL THERMAL DEATH (IN POLISH)	0354
VIRUS REPLICATION IN CELL CULTURES	IRRADIATED IN VITRO	1077
RADIATION: ABNORMAL DEVELOPMENT OF	IRRADIATED INSECT PUPAE	0456
ON OF ACOUSTIC SIGNALS IN MATERIALS	IRRADIATED WITH MICROWAVE PULSES--A THEORETICAL ANALYSIS	2441
INDICES OF FERTILITY OF FEMALE MICE	IRRADIATED WITH 10-CENTIMETER WAVES	2874
OBSERVATIONS OF WISH CELL CULTURES	IRRADIATED WITH 3 GHZ MICROWAVES	2052
TAPHYLOCOCCAL INFECTIONS IN RABBITS	IRRADIATED WITH 3-GHZ MICROWAVES	1082
IN THE BLOOD COUNT OF GROWING RATS	IRRADIATED WITH A MICROWAVE PULSE FIELD	0182
ION OF ENERGY ABSORPTION IN ANIMALS	IRRADIATED WITH MICROWAVES	1145
RATE EFFECTS IN ISOLATED FROG HEART	IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY	1804
RATE EFFECTS IN ISOLATED FROG HEART	IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY	3390
ON PARAMAGNETIC CENTERS OF PROTEINS	IRRADIATED WITH ULTRAVIOLET LIGHT	1476
UCLEAR VOLUME IN WISH CELL CULTURES	IRRADIATIED WITH 3 GHZ EMR	1328
METHODS OF EXPERIMENTALLY	IRRADIATING SMALL ANIMALS WITH CENTIMETRE WAVES	3445
VE EFFECTS IN RESPONSE TO MICROWAVE	IRRADIATION	0059
THETICS ON MICE FOLLOWING MICROWAVE	IRRADIATION	0246
HE RAT FOLLOWING 2450 MHZ MICROWAVE	IRRADIATION	0313
BEHAVIORAL SENSITIVITY TO MICROWAVE	IRRADIATION	0514
SOLATED HEARTS INDUCED BY MICROWAVE	IRRADIATION	0526
YMPHOCYTES IN VITRO AFTER MICROWAVE	IRRADIATION	0574
BULAR STIMULATION VIA UHF-MICROWAVE	IRRADIATION	0609
59: THE NEURAL EFFECTS OF MICROWAVE	IRRADIATION	0610
RABBITS DURING LOW-LEVEL MICROWAVE	IRRADIATION	0695
HUMAN TOLERANCE TO LOCAL INFRARED	IRRADIATION	0730
APID TISSUE FIXATION WITH MICROWAVE	IRRADIATION	0810
BRAIN AFTER 1600 MHZ RADIOFREQUENCY	IRRADIATION	0841
ON STEM-CELL RECOVERY AFTER	IRRADIATION	0843
STRY AFTER HIGH INTENSITY MICROWAVE	IRRADIATION	0853
CAPITATION VERSUS FOCUSED MICROWAVE	IRRADIATION	0928
ECTION OF BACTERIA EXPOSED TO GAMMA	IRRADIATION	0995
TURTLE HEARTS INDUCED BY MICROWAVE	IRRADIATION	1029
TURED RABBIT LENSES AFTER MICROWAVE	IRRADIATION	1070
RATURE MEASUREMENT IN TISSUE DURING	IRRADIATION	1103
F THE THERMAL RESPONSE TO MICROWAVE	IRRADIATION	1251
TISSUE SUBJECTED TO RADIO-FREQUENCY	IRRADIATION	1270
S ON EXPOSURE TO VERY LOW INTENSITY	IRRADIATION	1461
RAT CORPUS STRIATUM AFTER MICROWAVE	IRRADIATION	1518
THE BIOLOGICAL EFFECTS OF MICROWAVE	IRRADIATION	1577
E METHODS OF SACRIFICE BY MICROWAVE	IRRADIATION	1620
RE CHANGES IN MICE DURING MICROWAVE	IRRADIATION	1695
INISTRATION OF MICROWAVES AND X-RAY	IRRADIATION	1958
YMOTRYPSIN FOLLOWING RADIOFREQUENCY	IRRADIATION	1983
ENTS IN THE RAT FOLLOWING MICROWAVE	IRRADIATION	1984
INDIVIDUALS WORKING UNDER MICROWAVE	IRRADIATION	2010
NG TISSUE INACTIVATION BY MICROWAVE	IRRADIATION	2053
Y FOR EQUAL POWER DENSITY MICROWAVE	IRRADIATION	2127
LTERATIONS OBSERVED UNDER MICROWAVE	IRRADIATION	2290
OMBINED WITH SIMULTANEOUS MICROWAVE	IRRADIATION	2325
-THERMAL CHRONIC PRENATAL MICROWAVE	IRRADIATION	2340
PATION RATE OF MICE AFTER MICROWAVE	IRRADIATION	2376
VATIONS ON HAMSTERS AFTER MICROWAVE	IRRADIATION	2439
(SAIMIRI SCIUREUS) DURING MICROWAVE	IRRADIATION	2539

INE CONTENT AFTER FOCUSED MICROWAVE	IRRADIATION		2591
TISSUE INACTIVATION WITH MICROWAVE	IRRADIATION		2596
LOOD- BRAIN BARRIER AFTER MICROWAVE	IRRADIATION		2678
BRAIN AND LUNG FOLLOWING MICROWAVE	IRRADIATION		2769
BLOOD-BRAIN BARRIER AFTER MICROWAVE	IRRADIATION		2787
LOWING INJURY BY 2450 MHZ MICROWAVE	IRRADIATION		3386
L RATS FOLLOWING 2450 MHZ MICROWAVE	IRRADIATION		3387
NE IN THE RAT BRAIN AFTER MICROWAVE	IRRADIATION		3416
DIRECT HEALTH AND CHRONIC MICROWAVE	IRRADIATION		3468
EDOSPORES BY MICROWAVE AND INFRARED	IRRADIATION		3473
OF THE RAT ORGANISM UNDER MICROWAVE	IRRADIATION	(2,400 MHZ). (IN RUS.)	0195
HE ORGANISM OF RATS UNDER MICROWAVE	IRRADIATION	(2400 MHZ)	0440
ONIN AND EXPOSED TO ACUTE MICROWAVE	IRRADIATION	(IN POLISH)	0355
PARTS OF THE BRAIN TO REPEATED SHF	IRRADIATION	(IN RUS)	0350
AND AMIDE II BANDS UNDER MICROWAVE	IRRADIATION	(IN RUSSIAN)	1794
EFFECTS OF INTERSITIAL	IRRADIATION	ALONE, OR COMBINATION WITH LOCALIZED HYPERTHERMIA ON T	3423
MICROWAVE	IRRADIATION	AND AMBIENT TEMPERATURE INTERACT TO ALTER RAT BEHAVIOR	0417
ACUTE MICROWAVE	IRRADIATION	AND CATARACT FORMATION IN RABBITS AND MONKEYS	1128
MICROWAVE	IRRADIATION	AND ENDOCRINE FUNCTIONS	1275
BINED WITH THE ACTION OF SOFT X-RAY	IRRADIATION	AND HEAT	1277
MICROWAVE	IRRADIATION	AND THE BLOOD-BRAIN BARRIER	0398
MICROWAVE	IRRADIATION	AND THE CIRCADIAN RHYTHM OF BONE MARROW CELL MITOSIS	1814
PHOSPHATE IN BRAIN AREAS: MICROWAVE	IRRADIATION	AS A MEANS OF TISSUE FIXATION	0716
MICROWAVE OVEN	IRRADIATION	AS A METHOD FOR BACTERIAL DECONTAMINATION IN A CLINICA	2786
HERMAL EFFECTS OF 200 MEGACYCLE(CW)	IRRADIATION	AS RELATED TO SHAPE, LOCATION AND ORIENTATION IN THE F	3316
COMPARISON OF MICROWAVE	IRRADIATION	AT 986 VERSUS 2450 MHZ FOR IN VIVO INACTIVATION OF BRA	0085
EATER LONGEVITY IN MICE AFTER FETAL	IRRADIATION	BY 2450-MHZ MICROWAVES	0026
FECT OF CONTINUOUS AND INTERMITTENT	IRRADIATION	BY AN ULTRAHIGH-FREQUENCY FIELD ON THE RABBIT EYE	1860
HAZARDS DUE TO TOTAL BODY	IRRADIATION	BY RADAR	0557
HAZARDS DUE TO TOTAL BODY	IRRADIATION	BY RADAR	3322
REACTIVITY OF ANIMALS IN PROLONGED	IRRADIATION	BY UHF RADIOWAVES	0975
N PROLATE SPHEROIDAL PHANTOMS IN AN	IRRADIATION	CHAMBER	2193
A MICROWAVE	IRRADIATION	CHAMBER FOR SCIENTIFIC STUDIES ON AGRICULTURAL PRODUCT	2146
OMMENDATIONS FOR SPECIFYING EM WAVE	IRRADIATION	CONDITIONS IN BIOEFFECTS RESEARCH	1330
INVESTIGATION OF THE EFFECT OF	IRRADIATION	CONDITIONS ON THE NERVOUS SYSTEM OF PERSONS WORKING WI	2008
MICROWAVE	IRRADIATION	DESIGN USING DIELECTRIC LENSES	1697
RF CAVITY	IRRADIATION	DOSIMETRY	0997
NVIRONMENTALLY CONTROLLED WAVEGUIDE	IRRADIATION	FACILITY	0998
AL ELECTRIC FIELD EXPOSURE OF RATS:	IRRADIATION	FACILITY	1788
BILITY OF ANIMALS TO MICROWAVE (MW)	IRRADIATION	FOLLOWING TREATMENT WITH PHARMACOLOGIC AGENTS	1460
USE OF 300-MSEC MICROWAVE	IRRADIATION	FOR ENZYME INACTIVATION: A STUDY OF EFFECTS OF SODIUM	1202
EFFET DE L'	IRRADIATION	HYPERFREQUENCE SUR LE MECANISME DE TANNAGE CHEZ TENEBR	2432
F CONTINUOUS AND PERIODIC MICROWAVE	IRRADIATION	IN ACUTE TESTS	1363
F CONTINUOUS AND PERIODIC MICROWAVE	IRRADIATION	IN CHRONIC EXPERIMENTS	1364
ORAL EFFECTS OF LOW LEVEL MICROWAVE	IRRADIATION	IN THE CLOSED-SPACE SITUATION	1541
THE BIOLOGICAL EFFECTS OF MICROWAVE	IRRADIATION	IN THE DOG	1575
OME BIOLOGICAL EFFECTS OF MICROWAVE	IRRADIATION	IN THE RAT	0496
ESTATIONS OF REACTIONS TO MICROWAVE	IRRADIATION	IN VARIOUS OCCUPATIONAL GROUPS	0885
EFFECTS OF MICROWAVE	IRRADIATION	IN VITRO ON CELL MEMBRANE PERMEABILITY	1256
G-WAVELENGTH ANALYSIS OF PLANE WAVE	IRRADIATION	OF A PROLATE SPHEROID MODEL OF MAN	1174
G-WAVELENGTH ANALYSIS OF PLANE WAVE	IRRADIATION	OF AN ELLIPSOIDAL MODEL OF MAN	1611
METHODS OF CONDUCTING SVCH	IRRADIATION	OF ANIMALS	2043
	IRRADIATION	OF BOUVINE SERUM ALBUMIN USING A CROSSED BEAM EXPOSURE	3555
DISCUSSION PAPER:	IRRADIATION	OF BOVINE SERUM ALBUMIN WITH A CROSSED-BEAM EXPOSURE-D	1083
RONIC EFFECT OF SUPERHIGH FREQUENCY	IRRADIATION	OF LOW INTENSITY	1481
PPLICATOR FOR RADIO- FREQUENCY WAVE	IRRADIATION	OF MAMMALIAN CELLS IN VITRO	0256
BIOMEDICAL ASPECTS OF MICROWAVE	IRRADIATION	OF MAMMALS	3604
TE CALCULATION OF SAR FOR PLANEWAVE	IRRADIATION	OF MAN MODEL NEAR A GROUND PLANE	0242
, AND REVERSAL LEARNING AFTER FETAL	IRRADIATION	OF MICE BY 2450-MHZ MICROWAVE ENERGY	1805
SIMULTANEOUS FAR-FIELD	IRRADIATION	OF MULTIPLE MOUSE TUMORS FOR MICROWAVE HYPERTHERMIA	0322
MICROWAVE	IRRADIATION	OF PLANT ROOTS IN SOIL	1785
PROGRESS REPORT ON 2450 MHZ	IRRADIATION	OF PREGNANT RATS AND THE EFFECT ON THE FETUS	2878
OCRINOLOGICAL EFFECTS OF PROTRACTED	IRRADIATION	OF RATS BY 2450 MHZ MICROWAVES	2901
OCRINOLOGICAL EFFECTS OF PROTRACTED	IRRADIATION	OF RATS BY 2450-MHZ MICROWAVES	2747
	IRRADIATION	OF RATS BY 918-MHZ MICROWAVES AT 2.5 MW/CM SQUARED: DE	2746

	IRRADIATION	OF RATS BY LOW LEVEL 918 MHZ MICROWAVES: DELINEATING T	2911
ORETICAL INVESTIGATION OF MICROWAVE	IRRADIATION	OF SEEDS IN SOIL	1125
ENT FOR IN VIVO X-RAY AND MICROWAVE	IRRADIATION	OF SMALL ANIMALS	2315
RIC LENS FOR EXPERIMENTAL MICROWAVE	IRRADIATION	OF THE EYE	1067
ERIVED FROM LOW LEVEL UHF-MICROWAVE	IRRADIATION	OF THE HEAD: INDIRECT CALORIC VESTIBULAR STIMULATION	0524
MICROWAVE	IRRADIATION	OF THE ISOLATED RAT HEART AFTER TREATMENT WITH ANS BLO	2749
A STUDY OF THE EFFECTS OF MICROWAVE	IRRADIATION	OF THE RAT TESTES	2185
MICROWAVE	IRRADIATION	OF THE U.S. EMBASSY IN MOSCOW	0221
USING TECHNIQUE FOR BATCH MICROWAVE	IRRADIATION	OF TUMORS IN THE FAR FIELD	2453
IENT EFFECTS OF LOW-LEVEL MICROWAVE	IRRADIATION	ON BIOELECTRIC MUSCLE CELL PROPERTIES AND ON WATER PER	0874
ECTS OF INTERMITTENT AND CONTINUOUS	IRRADIATION	ON CHANGES IN THE SECRETORY FUNCTION OF THE HYPOTHALAM	1450
INFLUENCE OF MICROWAVE	IRRADIATION	ON CULTURED GLIOMA CELLS I. AN ENZYMATIC AND SCANNING	0293
EFFECTS OF MICROWAVE	IRRADIATION	ON EMBRYONIC BRAIN TISSUE	0905
EFFECTS OF MICROWAVE	IRRADIATION	ON EMBRYONIC BRAIN TISSUE	2863
EFFECTS OF MICROWAVE	IRRADIATION	ON ENZYMES AND METABOLITES IN MOUSE BRAIN	2466
L AND ATHERMAL EFFECTS OF MICROWAVE	IRRADIATION	ON ERYTHROCYTES	0183
ANALEPTIC EFFECT OF MICROWAVE	IRRADIATION	ON EXPERIMENTAL ANIMALS	1850
E EFFECTS OF COMBINED SHF AND GAMMA	IRRADIATION	ON HEMOPOIESIS	1497
IMPACT OF RADAR	IRRADIATION	ON HUMAN SYSTEMS	0857
U. OF CALIF.--EFFECTS OF MICROWAVE	IRRADIATION	ON INTERNAL TEMPERATURE AND VIABILITY IN MICE	1579
EFFECTS OF CHRONIC MICROWAVE	IRRADIATION	ON MICE	2294
THE EFFECTS OF 19 MEGACYCLE	IRRADIATION	ON MICE AND RATS	2181
EFFECTS OF CHRONIC MICROWAVE	IRRADIATION	ON MICE	2896
EFFECT OF CHRONIC MICROWAVE	IRRADIATION	ON THE BLOOD FORMING SYSTEM OF GUINEA PIGS AND RABBITS	0622
D HISTOCHEMICAL EFFECT OF MICROWAVE	IRRADIATION	ON THE CENTRAL NERVOUS SYSTEM OF RABBITS AND GUINEA PI	1492
EFFECT OF SUPER-HIGH FREQUENCY EM	IRRADIATION	ON THE ELECTROPHORETIC MOBILITY OF ERYTHROCYTES (IN RU	2593
EFFECTS OF RADIO-FREQUENCY	IRRADIATION	ON THE ENZYMES OF BEEF MUSCLE TISSUE	2561
THE EFFECT OF 2450 MHZ MICROWAVE	IRRADIATION	ON THE GROWTH OF MICE	0808
E TEMPERATURE RESPONSE TO MICROWAVE	IRRADIATION	ON THE INITIAL FUNCTIONAL STATE OF THE CNS	1459
THE EFFECT OF MICROWAVE	IRRADIATION	ON THE TURNOVER RATE OF SERTONIN AND NOREPINEPHRINE AN	0570
EFFECTS OF LOW-INTENSITY MICROWAVE	IRRADIATION	ON THYROID AND ADRENAL FUNCTION IN RATS	3214
REACTION TO ALTERED UHF MILLIMETER	IRRADIATION	PARAMETRIC VARIATION	1485
CT TERATOGENESIS IN A STANDING-WAVE	IRRADIATION	SYSTEM	2755
RF CELL CULTURE	IRRADIATION	SYSTEM WITH CONTROLLED TEMPERATURE AND FIELD STRENGTH	2728
OBSERVATIONS OF MOUSE FETUSES AFTER	IRRADIATION	WITH 2.45 GHZ MICROWAVES	0006
OBSERVATIONS OF MOUSE FETUSES AFTER	IRRADIATION	WITH 2.45 GHZ MICROWAVES - LETTERS TO THE EDITORS	0410
ROHYPOPHYSIS AS A RESULT OF CHRONIC	IRRADIATION	WITH LOW INTENSITY CENTIMETER WAVELENGTHS	1352
SULTS OF EXPERIMENTAL STUDIES ON EM	IRRADIATION	WITH LOW INTENSITY USW, SW, AND MW	1456
CAL DOSIMETRY OF 2450 MHZ MICROWAVE	IRRADIATION	WITH MICE	1745
ERATURE REACTION OF THE SKIN DURING	IRRADIATION	WITH MICRO-WAVES OF LOW INTENSITY	0607
TCOME OF ACUTE AFFECTION OF MICE IN	IRRADIATION	WITH MICROWAVES	1397
E SPINAL CORD OF CATS DURING DIRECT	IRRADIATION	WITH MICROWAVES	1639
IN EXPERIMENTAL ANIMALS BY COMBINED	IRRADIATION	WITH MICROWAVES AND X-RAYS	1454
SUES. IV. COMMUNICATION: EFFECT OF	IRRADIATION	WITH RED-LIGHT AND MICROWAVES ON THE REACTIVITY OF THE	2016
MAGNETIC FIELDS	IRRADIATION	, 'JONOMODULATOR' AND 'EICHOTHERM' APPARATUS (IN GERMAN	1411
MICROWAVE	IRRADIATION	, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS	2347
OPHYSIOLOGICAL ASPECTS OF MICROWAVE	IRRADIATION	, PART 2: CRITICAL ANALYSIS OF THE LIT	0702
EN ABSORBING NON-IONIZING MICROWAVE	IRRADIATION	--WITH EMPHASIS ON THE EFFECT OF DIFFERENT SWEAT MODELS	2191
HUMAN RESPONSES TO MICROWAVE	IRRADIATION	-A REVIEW AND EVALUATION OF PUBLISHED REPORTS	3529
ANIMAL STUDIES OF HYPERTHERMIA AND	IRRADIATION		0148
ROWTH OF RATS BY 2450 MHZ MICROWAVE	IRRADIATION		0222
D MICROWAVE ARRAY SYSTEM FOR TUMOUR	IRRADIATION		0296
VIVO USING HIGH-INTENSITY MICROWAVE	IRRADIATION		0387
-THERMAL CHRONIC PRENATAL MICROWAVE	IRRADIATION		2881
GENERATION AS A RESULT OF MICROWAVE	IRRADIATION		2891
OF MICE DURING AND AFTER MICROWAVE	IRRADIATION		2910
VE EFFECTS IN RESPONSE TO MICROWAVE	IRRADIATION		2918
ANISM AFTER MICRO- WAVE (2,400 MHZ)	IRRADIATION	. (IN RUS.)	0194
INACTIVATION AFTER EXPOSURE TO SHF	IRRADIATION	. (IN RUSSIAN)	0338
MICROWAVE	IRRADIATION	: A NEW RAPID TECHNIQUE FOR SEPARATING EPIDERMAL TISSUE	2825
HEMICAL PREPARATIONS DURING UHF EMR	IRRADIATION	: A REVIEW OF THE LIT. (IN RUSSIAN)	0517
IN SITU BY HIGH INTENSITY MICROWAVE	IRRADIATION	: APPLICATION TO NEUROCHEMICAL STUDIES	1123
TA UNDER THE INFLUENCE OF SHORTWAVE	IRRADIATION	: EXPERIMENTAL INVESTIGATIONS ON ANIMALS	0541
BRAINS :EFFECTS OF ACUTE & CHRONIC	IRRADIATIONS		0095
F FAST AND SLOW WAVES AFTER CHRONIC	IRRADIATIONS		0287

LAR OPACITIES PRODUCED BY MICROWAVE	IRRADIATIONS	0548
OF LOW INTENSITY CHRONIC MICROWAVE	IRRADIATIONS	1445
ITH BIOLOGICAL EFFECTS OF MICROWAVE	IRRADIATIONS OF DIFFERENT FREQUENCIES	2520
LOGICAL EFFECTS OF X-BAND MICROWAVE	IRRADIATIONS ON E. COLI	2814
EFFECTS OF REPEATED MICROWAVE	IRRADIATIONS TO THE ALBINO RABBIT EYE	2682
E REACTIONS IN RATS AFTER MICROWAVE	IRRADIATON (2400 MHZ)	2923
ECT OF HIGH-POWER DENSITY MICROWAVE	IRRADITION ON SOLUBLE PROTEINS OF THE RABBIT LENS	0179
STIMULATION OF	IRRITABLE TISSUES BY MEANS OF AN ALTERNATING MAGNETIC FIELD	2111
ECTS OF MICROWAVES WITH AND WITHOUT	ISCHEMIA	0666
AN	ISOTHERMAL TWIN CALORIMETER FOR THE DETERMINATION OF THE HEAT DEFE	3248
A BROADBAND, MINIATURE,	ISOTROPIC ELECTRIC FIELD MEASUREMENT SYSTEM	1744
A BROAD-BAND	ISOTROPIC PROBE FOR MICROWAVE POWER DENSITY MEASUREMENTS	2437
POWER LINE POLLUTION - A HOT	ISSUE	3564
TO ENVIRONMENTAL RADIATION CONTROL	ISSUES	3001
	JACKRABBIT EARS: SURFACE TEMPERATURES AND VASCULAR RESPONSES	2912
THE RESISTANCE OF BATS TO	JAMMING	3504
SOVIET	JAMMING PROMPTS NEW HEALTH QUESTIONS	0646
ECTRICAL CURRENTS ON THE HEALING OF	JAW FRACTURES	2780
Y MEASUREMENT INSTRUMENTS WHEN SUB-	JECTED TO ENVIRONMENTAL LEVEL RF FIELDS	0418
V AC POWER TRANSMISSION HELD BY THE	JOINT AMERICAN-SOVIET COMMITTEE ON COOPERATION IN THE FIELD OF ENE	3155
OGRAPH AS SUBCUTANEOUS INDICATOR OF	JOINT INFLAMMATION	2411
MICROWAVE DOSIMETRY WORKSHOP	JOINT U. S. ARMY/GEORGIA INSTITUTE OF TECHNOLOGY	3218
DIGEST OF PAPERS,	JOINT U.S. ARMY/GEORGIA INSTITUTE OF TECHNOLOGY MICROWAVE DOSIMETR	3057
S THE SYNOVIAL MEMBRANE OF THE KNEE	JOINT UNDER THE INFLUENCE OF SINUSOIDAL MODULATED CURRENT PULSES	2045
ITH DEFORMING ARTHROSIS OF THE KNEE	JOINTS	0278
NTS IN THE TREATMENT OF INJURIES OF	JOINTS (IN RUSSIAN)	2069
MAGNETIC FIELDS IRRADIATION, '	JONOMODULATOR ' AND 'EICHOTHERM' APPARATUS (IN GERMAN)	1411
ETER EMISSION BY MEANS OF JOSEPHSON	JUNCTIONS	2314
P-N	JUNCTIONS AND THE PIEZOELECTRIC RESPONSE OF BONE	2092
IOLOGICAL SUPERCONDUCTIVE JOSEPHSON	JUNCTIONS ?	2105
ASSESSMENT OF LENS TRANSLUCENCY IN	JUVENILES , MICROWAVE WORKERS AND AGE-MATCHED GROUPS	0892
CROWAVE RADIATION ON CULTIVATED RAT	KANGAROO CELLS	1537
EN DEATH FROM HEART ATTACK IN NORTH	KARELIA	1636
	KARYOMETRIC OBSERVATIONS OF WISH CELL CULTURES IRRADIATED WITH 3 G	2052
NSHIPS WITH HIBERNATING SUBJECTS ON	KERGUELEN (IN FRENCH)	2843
RIC PROPERTIES OF INSECTS AND GRAIN	KERNELS	0840
EEN HYDROXYCORTICOIDS AND SEVENTEEN	KETOSTEROIDS	1133
THE DIELECTRIC PROPERTIES OF CANINE	KIDNEY TISSUE	2847
METER IMAGERY OF AN ISOLATED CANINE	KIDNEY	0307
ROSCOPIC IMAGERY OF ISOLATED CANINE	KIDNEY	0423
SURVIVAL OF CANINE	KIDNEYS AFTER TREATMENT WITH DIMETHYL- SULFOXIDE, FREEZING AT -80	2698
MICROWAVES CAN	KILL AND MAIM	3533
MICROWAVES CAN	KILL INSECT PESTS	0240
	KINEMATIC DESCRIPTION OF A HELICAL FRAME OF REFERENCE SYSTEM IN TH	0424
RELATIVISTIC	KINEMATIC EQUATIONS AND THE THEORY OF CONTINUOUS MEDIA	0428
EM INDUCED	KINETIC EFFECTS ON CHARGED SUBSTRATES IN LOCALIZED ENZYME SYSTEMS	1731
	KINETICS OF MOUSE HEMATOPOIETIC COLONY-FORMING UNITS FOLLOWING INJ	3386
CONSTRUCTION AND EVALUATION OF A	KIT-FORM MICROWAVE OVEN, BRH/DEP 71-7	3038
ACROSS THE SYNOVIAL MEMBRANE OF THE	KNEE JOINT UNDER THE INFLUENCE OF SINUSOIDAL MODULATED CURRENT PUL	2045
NTS WITH DEFORMING ARTHROSIS OF THE	KNEE JOINTS	0278
STATE OF THE	KNOWLEDGE FOR ELECTROMAGNETIC ABSORBED DOSE IN MAN AND ANIMALS	0403
EINWIRKUNG ELEKTRISCHER WELLEN AUF	KOLLOIDE	3487
EKTRIKEN, INSHESONDERE BIOLOGISCHER	KORPER , IM DEZIMETERWELLENBEREICH	3486
RECEPTORS OF MICROWAVE RADIATION AT	KU-BAND FREQUENCIES	1830
ROWAVE RADIATION, HYPERTHERMIA, AND	L-ASCORBIC ACID ON EHRLICH ASCITES CARCINOMA CELL METABOLISM	0044
DUCED CONFORMATIONAL CHANGE OF POLY(	L-LYSINE) STUDIED BY TRANSIENT ELECTRIC BIREFRINGENCE	0859
MICROWAVE OVEN	LABELING	1320
LOCALIZED EMBEDDING OF	LABELLED MICROSPHERES BY MICROWAVE HEATING IN TISSUES OF HYPOTHERM	0434
D REGULATIONS FOR THE PROTECTION OF	LABOR DURING WORK ON SUBSTATIONS AND TRANSMISSION LINES AT VOLTAGE	3077
MEDICO-SOCIAL ASPECTS OF	LABOR PERFORMED WITHIN THE RANGE OF EM HIGH FREQUENCY RADIATION (I	2018
POSURE TO RF ENERGY & DEPARTMENT OF	LABOR RULES AND REGULATIONS	3516
FACIENS, STREPTOCOCCUS FAECALIS AND	LACTOBACILLUS PLANTARUM IN MEAT TISSUE	2693
LECTRICAL STIMUALTION OF RABBIT AND	LAMB CARCASSES	1882
MAGNETIC STORM ON THE PRODUCTION OF	LAMBDA PHAGE	0412
THE	LAPAROSCOPIST AND ELECTROSURGERY	1648

SED TO MICROWAVES: EXTRAPOLATION TO	LARGER MAMMALS	0225
EHAVIOR OF RING-BILLED GULL CHICKS (	LARUS DELAWARENSIS) EXPOSED TO PROJECT SANGUINE'S ELECTRIC AND MAG	1762
L HEATING IN RADIOFREQUENCY-TREATED	LARVAE OF TENEBRIO MOLITOR	0962
NG FROM RADIOFREQUENCY TREATMENT OF	LARVAE OF TENEBRIO MOLITOR	0964
RADIOFREQUENCY OR HEAT TREATMENT OF	LARVAE OR PUPAE	1976
OPHTHALMIC HAZARDS OF MICROWAVE AND	LASER ENVIRONMENTS	2572
DICAL SURVEILLANCE ON MICROWAVE AND	LASER WORKERS	2112
NORMAL AND TUMOUR CELLS AS SEEN BY	LASER-RAMAN SPECTROSCOPY	1131
LOCKS OF NORMAL AND TUMOUR CELLS: A	LASER-RAMAN STUDY	3264
VIOLET RADIATION AND RADIATION FROM	LASERS AND TELEVISION RECEIVERS	0597
IOLET RADIATION, AND RADIATION FROM	LASERS AND TELEVISION RECEIVERS--AN ANNOTATED BIBLIOGRAPHY	0562
OWAVES, MAGNETIC IRON PARTICLES AND	LASERS AS A COMBINED TEST MODEL FOR INVESTIGATION OF HYPERTHERMIA	1619
USE OF OPTICAL QUANTUM GENERATORS (	LASERS) IN GYNECOLOGY (IN RUSSIAN)	1408
ENARY SESSION IV SUMMARY 'THE LAST,	LAST WORD'	0299
PLENARY SESSION IV SUMMARY 'THE	LAST , LAST WORD'	0299
LONG	LASTING SYNAPTIC POTENTIATION IN THE RAT DENTATE GYRUS FOLLOWING B	2857
MEASUREMENTS OF CONTRACTION	LATENCIES TO MECHANICAL AND ELECTRICAL STIMULATION OF THE PROTOZOA	2475
EALTH AND SAFETY ACT OF 1968 PUBLIC	LAW 90-602	1295
ALTH AND SAFETY ACT OF 1968, PUBLIC	LAW 90-602	2544
CANCER AND THE	LAW OF WORK	2281
ADIATION: AN OUTLINE OF FUNDAMENTAL	LAWS	1051
F A HORIZONTAL ELECTRIC DIPOLE OVER	LAYERED DIELECTRIC MEDIA	0748
ROUNDINGS ON EM-POWER ABSORPTION IN	LAYERED-TISSUE MEDIA	1233
ON ENERGY METABOLISM IN CEREBELLAR	LAYERS	2638
HEATING OF FAT-MUSCLE	LAYERS BY ELECTROMAGNETIC AND DIATHERMY	3374
MISSION THROUGH INHOMOGENEOUS PLANE	LAYERS	3356
ACTION OF IONIZING RADIATIC ON	LAYING HENS	0266
ON AGAINST MICROWAVE OVEN RADIA.ION	LEAKAGE	0830
ITS USE IN UNDERSTANDING MICROWAVE	LEAKAGE AND SURVEY TECHNIQUES	0773
RADIATION	LEAKAGE CONTROL OF A RADIOFREQUENCY INDUSTRIAL SYSTEM	2055
RADIATION	LEAKAGE CONTROL OF INDUSTRIAL MICROWAVE POWER DEVICES	0788
OF PERSONNEL EXPOSURE IN MICROWAVE	LEAKAGE FIELDS AND COMPARISON WITH PERSONNEL EXPOSURE STANDARDS	2392
MICROWAVE	LEAKAGE INDICATION	1148
MICROWAVE	LEAKAGE INSTRUMENTATION	1547
ICIENT OF TRANSMISSION OF MICROWAVE	LEAKAGE INTO BIOLOGICAL TISSUES	1150
HIGH SENSITIVITY EM	LEAKAGE MONITORS	1147
E EM FIELD COUPLING OF 915 MHZ OVEN	LEAKAGE TO HUMAN SUBJECTS BY THERMOGRAPHIC STUDIES ON PHANTOM MODE	1153
	LEAKAGE VARIATIONS FROM MICROWAVE OVENS, BRH/DEP 70-11	3030
	LEAKAGE VARIATIONS FROM MICROWAVE OVENS	3226
MICROWAVE OVEN	LEAKAGE : FEDERAL REGULATIONS SOON	0488
S ON RADIO-RELAY AND MICROWAVE-OVEN	LEAKS	0872
IMULATOR FOR COMPLEX STIMULATION OF	LEG MUSCLES DURING WALKING	0094
FEDERAL/STATE RADIATION CONTROL	LEGISLATION 1973	3095
FEDERAL/STATE RADIATION CONTROL	LEGISLATION 1974	3143
THE OCULAR	LENS AND CATARACT	1170
ATION OF POSSIBLE MICROWAVE-INDUCED	LENS CHANGES IN THE UNITED STATES AIR FORCE	1381
MICROWAVE	LENS EFFECTS IN HUMANS	1000
MICROWAVE	LENS EFFECTS IN HUMANS, PART II: RESULTS OF FIVE-YEAR SURVEY	0925
FECTS OF MICROWAVE RADIATION ON THE	LENS EPITHELIUM IN THE RABBIT EYE	1044
USE OF A DIELECTRIC	LENS FOR EXPERIMENTAL MICROWAVE IRRADIATION OF THE EYE	1067
A LIQUID-CRYSTAL CONTACT	LENS FOR MEASUREMENTT OF CORNEAL TEMPERATURE	3062
RMOELASTIC VIBRATIONS OF THE OCULAR	LENS IN THE HUMAN EYE	0114
TRASTRUCTURAL CHANGES IN THE RABBIT	LENS INDUCED BY MICROWAVE RADIATION	1069
OPACITIES IN THE	LENS OF THE EYE EXPERIMENTALLY INDUCED BY EXPOSURE TO MICROWAVE RA	0455
ER THRESHOLDS FOR THE PRODUCTION OF	LENS OPACITIES BY 12.3 CM. MICROWAVES	0664
LY EXPOSED TO MICROWAVES, PART III:	LENS TRANSLUCENCY	0798
ASSESSMENT OF	LENS TRANSLUCENCY IN JUVENILES, MICROWAVE WORKERS AND AGE-MATCHED	0892
EVALUATION OF	LENS TRANSPARENCY IN PERSONS EXPOSED TO ELECTROMAGNETIC RADIATION	3431
N ON SOLUBLE PROTEINS OF THE RABBIT	LENS	0179
ECTRIC PROPERTIES OF THE BOVINE EYE	LENS	3379
IRRADIATION DESIGN USING DIELECTRIC	LENSES	1697
BIC ACID CHANGES IN CULTURED RABBIT	LENSES AFTER MICROWAVE IRRADIATION	1070
ICAL AND/OR PHYSICAL CHANGES IN THE	LENSES OF EYES IRRADIATED BY MICROWAVES	1581
	LENTICULAR AND RETINAL CHANGES SECONDARY TO MICROWAVE EXPOSURE	1861
	LENTICULAR CHANGES IN MICROWAVE WORKERS	1862

ELIMINARY RESULTS OF STUDIES OF THE	LENTICULAR EFFECTS OF MICROWAVES AMONG EXPOSED PERSONNEL	1924
BILATERAL	LENTICULAR OPACITIES OCCURRING IN A TECHNICIAN OPERATING A MICROWA	0600
EXPERIMENTAL	LENTICULAR OPACITIES PRODUCED BY MICROWAVE IRRADIATIONS	0548
RADIOFREQUENCY	LESION OF THE VENTRAL MESENCEPHALIC TEGMENTUM: NEUROLOGICAL AND BE	0835
N THE OUTCOME OF AN ACUTE MICROWAVE	LESION ON MICE (IN RUSSIAN)	1630
TION THERAPY. 1.MALIGNANT CUTANEOUS	LESIONS	2618
AUTO-ELECTROTHERAPY IN NERVE	LESIONS	3398
BLOOD INDICES IN EARLY DETECTION OF	LESIONS DUE TO PULSED LOW-FREQUENCY EM FIELDS	2047
EARLY	LESIONS IN DOG TESTES DUE TO MICROWAVES	2848
EFFECT OF	LESIONS OF SOME ZONES OF THE BRAIN ON MITOSIS OF THE EPITHELIUM OF	2854
TIVITY AFTER VARIOUS RADIOFREQUENCY	LESIONS OF THE LIMBIC MIDBRAIN AREA IN THE RAT. EVIDENCE FOR A PAR	1871
RECHERCHES SUR LES	LESIONS VISCERALES OBSERVEES CHEZ DES SOURIS ET DES RATS EXPOSES A	2919
MECHANISM OF	LETHAL ACTION OF 2450-MHZ RADIATION ON MICROORGANISMS	0196
	LETHAL EFFECTS OF 3000 MHZ RADIATION ON THE RAT	1866
THE	LETHAL EFFECTS OF A HIGH FREQUENCY ELECTRIC FIELD ON ESCHERICHIA C	3470
	LETHAL EFFECTS OF RADIOFREQUENCY ENERGY ON EGGS OF TENEBRIO MOLITO	0985
REEVALUATION OF	LETHAL ELECTRIC CURRENTS	3278
EVALUATION OF DOMINANT	LETHAL TEST AND DNA STUDIES IN MEASURING MUTAGENICITY CAUSED BY NO	2177
	LETHALITY OF RADIO-FREQUENCY ENERGY UPON MICROORGANISMS IN LIQUID,	2498
X-RAY INDUCED SEX-LINKED RECESSIVE	LETHALS	1966
ADIATION WITH 2.45 GHZ MICROWAVES -	LETTERS TO THE EDITORS	0410
ON THE PROPORTION OF THE DIFFERENT	LEUCOCYTE TYPES	3128
TUDY TO EXPLORE NEW THERAPY FOR CNS	LEUKEMIA	2326
HARACTERIZATION OF CHRONIC LYMPHOID	LEUKEMIA (IN RUSSIAN)	2068
CUPATIONAL PATTERN OF PATIENTS WITH	LEUKEMIA AND LYMPHOGRANULOMATOSIS (ACCORDING TO DATA FOR KUIBYSHE	0025
THE MAGNETIC BLUEPRINT OF	LIFE	0367
UNSEEN MICROWAVES ARE CHANGING YOUR	LIFE	1347
ELECTROMAGNETIC FIELDS AND	LIFE	2247
RADIO WAVES AND	LIFE	3438
OF	LIFE AND DEATH AND MAGNETISM	0706
	LIFE AND THE MAGNETIC FIELD	1552
PROLONGATION OF	LIFE DURING HIGH-INTENSITY MICROWAVE EXPOSURES	0715
ELECTROMAGNETIC FIELDS AND THE	LIFE ENVIRONMENT	2249
ELF EM FIELD EFFECTS ON	LIFE FORMS--BIBLIOGRAPHY	2253
EM FORCES AND	LIFE PROCESSES	0595
EM RADIATION AS A TOOL IN THE	LIFE SCIENCES	0507
WEIGHT, ACTIVITY, HEMATOPOIESIS AND	LIFE SPAN IN MICE	2037
SURE OF RATS IN UTERO THROUGH EARLY	LIFE TO 2450 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES	2902
CONTINUOUSLY THROUGHOUT THEIR ADULT	LIFE TO PULSED EMR	1167
OLDS FOR VARIOUS SPECTRAL RANGES OF	LIGHT	0653
NAL SENSITIVITY TO SHORT WAVELENGTH	LIGHT	1248
ROTEINS IRRADIATED WITH ULTRAVIOLET	LIGHT	1476
A FROG UNDER THE ACTION OF VISIBLE	LIGHT	3443
	LIGHT AND ELECTRON MICROSCOPIC OBSERVATIONS ON HAMSTERS AFTER MICR	2439
	LIGHT AND ELECTRON MICROSCOPIC OBSERVATIONS ON THE BLOOD- BRAIN BA	2678
ECTS OF VARIOUS MICROWAVE AND BLACK	LIGHT FREQUENCIES ON THESE PHENOMENA	1085
DEATH BY	LIGHTNING	1894
	LIGHTNING PROTECTION OF 750-1150 KV TRANSMISSION LINES	3590
PHANTOM	LIMB PAIN TREATED BY ELECTRICAL STIMULATION	3420
CEMENT ON STIMULATION OF ADULT FROG	LIMB REGENERATION	2239
TREATMENT OF DISEASES OF	LIMB STUMPS WITH MAGNETIC FIELD (IN RUSSIAN)	1631
: TONIC ENVIRONMENTAL INFLUENCES ON	LIMBIC AND RELATED SYSTEMS	2607
RIOUS RADIOFREQUENCY LESIONS OF THE	LIMBIC MIDBRAIN AREA IN THE RAT. EVIDENCE FOR A PARTICULAR ROLE OF	1871
OBLITERATIVE DISEASES OF THE LOWER	LIMBS (IN RUSSIAN)	2707
ICROWAVE HEATING OF SIMULATED HUMAN	LIMBS BY APERTURE SOURCES	2948
ACCURACY	LIMITATION IN MEASUREMENTS OF HF FIELD INTENSITIES FOR PROTECTION	2835
F CONDUCTORS AND QUESTIONS OF THEIR	LIMITATIONS	3592
SOME TECHNIQUES AND THEIR	LIMITATIONS AS RELATED TO THE MEASUREMENT OF SMALL REFLECTIONS IN	3346
A	LIMITED EVALUATION OF CICOIL 'PERSONAL RF RADIATION HAZARD DETECTO	0214
A	LIMITED MICROWAVE DIATHERMY FIELD SURVEY	0759
	LIMITING CONDITIONS FOR EFFECTS OF ELF ON FREE FLYING MIGRANT BIRD	0202
ACE REDOX (THEORETICAL NON-GASSING)	LIMITS	0973
AS THEY APPLY TO PERSONNEL EXPOSURE	LIMITS TO DESIGNATED RADIATIONS (PROPOSED)	3526
	LINAL MICROWAVE HAZARDS TO CARDIAC PACEMAKER WEARERS	0361
E FIELD OF AN OVERHEAD TRANSMISSION	LINE	3020

345 KV AC HIGH VOLTAGE TRANSMISSION	LINE		3167
765 KV OVERHEAD POWER TRANSMISSION	LINE		3558
400 KV DC HIGH VOLTAGE TRANSMISSION	LINE	AND A PROPOSED 345 KV AC HIGH VOLTAGE TRANSMISSION LINE.	3167
HE BIOLOGICAL SIGNIFICANCE OF POWER	LINE	AND HIGH VOLTAGE SWITCHYARD ENVIRONMENTS.	3171
AGE CHARACTERISTICS OF TRANSMISSION	LINE	ASSEMBLIES USING SEMI-CONDUCTING GLAZED INSULATORS.	3105
S EFFLUENTS DUE TO EHV TRANSMISSION	LINE	CORONA.	3013
F EFFLUENTS DUE TO EHV TRANSMISSION	LINE	CORONA I--FIELD TESTS.	2995
F EFFLUENTS DUE TO EHV TRANSMISSION	LINE	CORONA II--LABORATORY TESTS.	2996
ATION AND HIGH VOLTAGE TRANSMISSION	LINE	EFFECTS).	2369
HEALTH EFFECTS FROM AC TRANSMISSION	LINE	ELECTROMAGNETIC FIELDS.	0375
TRANSMISSION	LINE	FIELDS.	3164
TION OF PARELLEL PLATE TRANSMISSION	LINE	FOR ELECTROMAGNETIC INTERFERENCE SUSCEPTIBILTY TESTING.	3513
LARGE AIR GAPS AND THE SELECTION OF	LINE	INSULATING CLEARANCES: THE SELECTION OF LINE INSULATION IN N.	3591
ATING CLEARANCES: THE SELECTION OF	LINE	INSULATION IN NORMAL AND POLLUTED CONDITIONS.	3591
A COAXIAL AIR	LINE	MICROWAVE EXPOSURE SYSTEM: RESPIRATORY ACTIVITY OF MITOCHONDR.	2175
POWER	LINE	NOISE SURVEY.	3019
POWER	LINE	POLLUTION - A HOT ISSUE.	3564
PROTOTYPE 1100/1200 KV TRANSMISSION	LINE	PROTOTYPE.	3170
N THE NEAR VICINITY OF TRANSMISSION	LINE	TOWERS.	3172
BODY CURRENTS MEASURED IN LIVE	LINE	WORK.	3100
ANALYSIS OF ELECTRIC FIELDS IN LIVE	LINE	WORKING.	0968
SUREMENT OF ELECTRIC FIELDS IN LIVE	LINE	WORKING.	0970
BODY CURRENTS IN LIVE	LINE	WORKING.	0974
BODY CURRENTS IN LIVE	LINE	WORKING.	3015
E FIELD OF AN OVERHEAD TRANSMISSION	LINE	".	3018
NEAR A MULTI-CONDUCTOR TRANSMISSION	LINE	, INCLUDING THE EFFECTS OF VERTICAL GROUND WIRES.	3103
MATERIALS WITH THE PRECISON SLOTTED	LINE		3347
OWER DENSITY IN NEAR FIELD OF SMALL	LINEAR	ANTENNAS.	1642
MUTUAL COUPLING BETWEEN	LINEAR	ANTENNAS.	2214
IELD RADIATION PROPERTIES OF SIMPLE	LINEAR	ANTENNAS WITH APPLICATIONS TO RADIOFREQUENCY HAZARDS AND BR.	0192
ORIENTATION AND	LINEAR	DICHROISM OF CHLOROPLASTS AND SUB- CHLOROPLAST FRAGMENTS OR.	2704
INTERACTION BETWEEN A	LINEARLY	POLARIZED ELECTROMAGNETIC PLANE AND A DOUBLE SPHERICAL SH.	3088
INTERACTION BETWEEN A	LINEARLY	POLARIZED ELECTROMAGNETIC PLANE WAVE AND A DOUBLE SPHERIC.	3551
TESTS PROVE SHIELDING KEEPS	LINEMEN	SAFE WORKING EHV.	3101
CAL FOLLOW-UP STUDY OF HIGH VOLTAGE	LINEMEN	WORKING IN AC ELECTRIC FIELDS.	1015
CAL FOLLOW-UP STUDY OF HIGH VOLTAGE	LINEMEN	WORKING IN AC ELECTRIC FIELDS.	3012
SAFETY OF HIGH VOLTAGE TRANSMISSION	LINES		0111
NVIRONMENTAL IMPACT OF HIGH VOLTAGE	LINES		0668
IC EFFECTS OF OVERHEAD TRANSMISSION	LINES		1006
ECTS RESEARCH PLAN FOR TRANSMISSION	LINES		1890
LUX ALONG HIGH VOLTAGE TRANSMISSION	LINES		1964
DER EHV OVERHEAD POWER TRANSMISSION	LINES		2609
IN THE VICINITY OF ENERGIZED 765 KV	LINES		3014
TATIC INDUCTION BY EHV TRANSMISSION	LINES		3086
OZONE CONCENTRATING NEAR OPERATING	LINES		3113
ELECTRICAL EFFECTS OF TRANSMISSION	LINES		3158
ATED WITH HIGH VOLTAGE TRANSMISSION	LINES		3168
TERIA FOR EHV OVERHEAD TRANSMISSION	LINES		3169
IC EFFECTS OF OVERHEAD TRANSMISSION	LINES		3173
RGES ON ELECTRIC POWER DISTRIBUTION	LINES		3181
COAXIL, AIR DIELECTRIC TRANSMISSION	LINES		3530
OR BUNDLES FOR 1200 KV TRANSMISSION	LINES		3565
W TO BEHAVE NEAR HIGH VOLTAGE POWER	LINES		3566
TECTION OF 750-1150 KV TRANSMISSION	LINES		3590
EXPERIENCE WITH 765 KV TRANSMISSION	LINES		3613
IC EFFECTS OF OVERHEAD TRANSMISSION	LINES		3617
HIGH-VOLTAGE POWER	LINES	AND HUMAN HEALTH.	0030
APPLICATION OF PRECISON TRANSMISSON	LINES	AND PRECISON CONNECTORS AS ACCURATE IMMITTANCE STANDARDS.	3348
DUCTION RATES FOR EHV TRANSMISSIONS	LINES	AND THEORETICAL ESTIMATES OF OZONE CONCENTRATING NEAR OPERAT.	3113
ORK ON SUBSTATIONS AND TRANSMISSION	LINES	AT VOLTAGES OF 400-, 500-, AND 750 KV ALTERNATING CURRENT AT.	3077
EXTREMELY HIGH VOLTAGE TRANSMISSION	LINES	HEALTH AND ENVIRONMENTAL EFFECTS: REQUEST FOR SUBMISSION DAT.	3239
EFFECT OF 765 KV TRANSMISSION	LINES	ON ANIMAL GRAZING HABITS.	3614
FFECTS OF HIGH VOLTAGE TRANSMISSION	LINES	ON HONEYBEES: A FEASIBILITY STUDY.	2545
THE ELECTRIC FIELDS OF HIGH-TENSION	LINES	ON MAN (IN GERMAN).	2406
ND THEIR CONFIGURATION FOR OVERHEAD	LINES	WITH ALLOWANCES FOR CORONA LOSSES AND INTERFERENCES: METHOD.	3593

IC EFFECTS OF OVERHEAD TRANSMISSION	LINES , PRATICAL PROBLEMS, SAFEGUARDS, AND METHODS OF CALCULATION	3104
DER EHV OVERHEAD POWER TRANSMISSION	LINES	0166
ING PRECISON AIR-DIELECTRIC COAXIAL	LINES	3343
S IN PRECISION COAXIAL TRANSMISSION	LINES	3346
BIOLOGICAL EFFECTS OF TRANSMISSION	LINES : A REVIEW	0083
HIGH VOLTAGE	LINES : HAZARD AT A DISTANCE	0084
IC EFFECTS OF OVERHEAD TRANSMISSION	LINES : PART II--METHODS OF CALCULATION	3010
IC EFFECTS OF OVERHEAD TRANSMISSION	LINES : PART-I: HAZARDS AND EFFECTS	3009
OF VAN DER WAALS FORCES ACROSS THIN	LIPID FILMS	3225
OF THE EFFECT OF MICROWAVES ON THE	LIPID METABOLISM OF SEVERAL MOUSE STRAINS	3404
OF EM WAVES AND MAGNETIC FIELDS ON	LIPID MODIFICATIONS BROUGHT ON IN THE RABBIT BY THE ADMINISTRATION	1775
A	LIQUID-CRYSTAL CONTACT LENS FOR MEASUREMENTT OF CORNEAL TEMPERATUR	3062
	LIQUID-CRYSTAL FIBEROPTIC RF PROBES, PART 1: TEMPERATURE PROBE FOR	1723
	LIQUID-CRYSTAL FIBEROPTIC RF PROBES, PART 2: A MICROWAVE POWER PRO	1724
NATURAL RESISTANCE OF WHITE MICE TO	LISTERIA INFECTION	2486
EVALUATION OF	LITHIUM FLUORIDE FOR MICROWAVE DOSIMETRY APPLICATIONS	2944
MIDDLE-EAR STRUCTURES CONTRIBUTE	LITTLE TO AUDITORY PERCEPTION OF MICROWAVES	0411
BODY CURRENTS MEASURED IN	LIVE LINE WORK	3100
ONAL ANALYSIS OF ELECTRIC FIELDS IN	LIVE LINE WORKING	0968
E MEASUREMENT OF ELECTRIC FIELDS IN	LIVE LINE WORKING	0970
BODY CURRENTS IN	LIVE LINE WORKING	0974
BODY CURRENTS IN	LIVE LINE WORKING	3015
OF REDOX ENZYMES IN THE ALBINO RAT	LIVER (HISTOCHEMICAL INVESTIGATION)	2054
T OF 2450 MHZ MICROWAVE RADIATON ON	LIVER ADENOSINE TRIPHOSPHATE (ATP)	0812
NALYSIS OF THE EFFECT OF EMR ON RAT	LIVER AND BRAIN	2356
RANSAMINATION IN THE TISSUES OF THE	LIVER AND SMALL INTESTINE OF RATS UNDER THE ACTION OF HIGH FREQUEN	0231
INATION PROCESSES IN THE TISSUES OF	LIVER AND THE SMALL INTESTINE OF RATS EXPOSED TO HIGH FREQUENCY EL	0146
E METAL CONTENT OF BLOOD PLASMA AND	LIVER CELL FRACTIONS OF RODENTS	1079
ON OXIDATIVE PHOSPHORYLATION IN THE	LIVER DURING PROLONGED EXPOSURE TO MICROWAVES (IN RUSSIAN)	1838
GES IN RATE OF GROWTH AND BRAIN AND	LIVER ENYZMES OF RATS	1782
ES IN RATE OF GROWTH, AND BRAIN AND	LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS	2549
HISTOPATHOLOGIC CHANGES IN RAT	LIVER FOLLOWING 2450 MHZ MICROWAVE RADIATION	1314
METABOLIC DISORDERS AND THE	LIVER FUNCTION UNDER THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD	1514
CROWAVES (2450 MHZ) ON ISOLATED RAT	LIVER MITOCHONDRIA	1076
C RANGE ON THE ENERGY METABOLISM OF	LIVER MITOCHONDRIA	2811
ICROWAVE (2450) MHZ ON ISOLATED RAT	LIVER MITOCHONDRIA	3554
DENCE OF THE FUNCTIONAL ACTIVITY OF	LIVER MITOCHONDRIA ON SUPERHIGH FREQUENCY RADIATION	1403
BIOCHEMILUMINESCENCE OF THE CNS AND	LIVER TISSUES (IN UKR)	0071
EFFECTS OF 45 HZ MAGNETIC FIELDS ON	LIVER TRIGLYCERIDES IN MICE	0927
CTIVITY OF OXIDATIVE ENZYMES IN THE	LIVERS OF MICE	2490
NTATION OF HOMING PIGEONS (COLUMBIA	LIVIA) EXPOSED TO EM FIELDS AT PROJECT SANGUINE'S WISCONSIN TEST F	1755
MICROWAVE OVEN TEST	LOAD EVALUATION OF INTERAL MICROWAVE ENERGY DISTRIBUTION	3282
HUMAN THERMAL	LOADING BY EXPOSURE TO EMISSIONS FROM A MICROWAVE OVEN	1151
THE STUDY OF ICE AND WIND	LOADINGS , GALLOPING, VIBRATION AND SUB-SPAN OSCILLATION OF CONDUCT	3592
EFFECTS OF MICROWAVES:	LOCAL 'HOT SPOT' HEATING BY MICROWAVES	1264
STIMULATION OF DOG THYROID BY	LOCAL APPLICATION OF HIGH INTENSITY MICROWAVES	2824
YPERTHERMIA BY LOCAL EM HEATING AND	LOCAL CONDUCTIVITY CHANGE	1909
ATURE DISTRIBUTION IN A SPHERE WITH	LOCAL COOLING	3286
HYPERTHERMIA BY	LOCAL EM HEATING AND LOCAL CONDUCTIVITY CHANGE	1909
APPLICATIONS OF	LOCAL EM HYPERTHERMIA IN ONCOLOGY	2803
SIMULTANEOUS MICROWAVE	LOCAL HEATING AND MICROWAVE THERMOGRAPHY: POSSIBLE CLINICAL APPLIC	0264
THER PROGRESS WITH ONCOLYSIS DUE TO	LOCAL HIGH FREQUENCY HYPERTHERMIA, LOCAL X-IRRADIATION AND APATHOG	0236
EFFECT OF	LOCAL HYPERTHERMIA INDUCED BY MICROWAVES AND XRAYS ON WALKER'S CAR	0136
EW PHYSICAL PRINCIPLE FOR SELECTIVE	LOCAL HYPERTHERMIA OF TUMOR TISSUES	0345
ACTION OF CELL-MEDIATED IMMUNITY TO	LOCAL HYPERTHERMIA OF TUMORS AND ITS POTENTIATION BY IMMUNOSTIMULA	0340
EFFECTS OF MICROWAVE-INDUCED	LOCAL HYPERTHERMIA ON MAMMARY ADENOCARCINOMA IN C3H MICE	1238
IONED REFLEX ACTIVITY IN DOGS UNDER	LOCAL INFLUENCE OF A V.H.F. FIELD UPON CERTAIN ZONES OF THE CEREBR	2024
HUMAN TOLERANCE TO	LOCAL INFRARED IRRADIATION	0730
ROMAGNETIC PULSE (EMP) ON STATE AND	LOCAL RADIO COMMUNICATIONS	3073
INSULATED PROBES FOR MEASURING THE	LOCAL RADIO FREQUENCY ELECTRIC FIELD IN BIOLOGICAL SYSTEMS	1726
	LOCAL TUMOR HYPERTHERMIA IN COMBINATION WITH RADIATION THERAPY. 1	2618
EFFECTS OF	LOCAL TUMOR HYPERTHERMIA ON THE GROWTH OF SOLID MOUSE TUMORS	0333
WORKERS SUBJECTED TO THE ACTION OF	LOCAL VIBRATION AND HIGH- FREQUENCY EMR (IN RUSSIAN)	2073
LOCAL HIGH FREQUENCY HYPERTHERMIA,	LOCAL X-IRRADIATION AND APATHOGENIC CLOSTRIDA	0236
ANATOMICAL	LOCALIZATION OF HUMAN DETECTION OF WEAK EMR: EXPERIMENTS WITH DOWS	0155

ATTEMPTS TO	LOCALIZE A CORCINOMA OF THE ENDOMETRIUM WITH THE USE OF SHORT RADI	1960
PRELIMINARY RESULTS USING	LOCALIZED CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS	2366
COMBINATION RADIATION THERAPY AND	LOCALIZED CURRENT FIELD HYPERTHERMIA OF SPONTANEOUS MALIGNANT NEOP	2329
TEMPERATURE DISTRIBUTION IN	LOCALIZED CURRENT FIELD HYPERTHERMIA- A THEORETICAL MODEL	0359
	LOCALIZED EMBEDDING OF LABELLED MICROSPHERES BY MICROWAVE HEATING	0434
IC EFFECTS ON CHARGED SUBSTRATES IN	LOCALIZED ENZYME SYSTEMS	1731
IES ON THE USE OF MICROWAVE FOR THE	LOCALIZED HEAT TREATMENT OF THE PROSTRATE	0268
ADIATION ALONE, OR COMBINATION WITH	LOCALIZED HYPERTHERMIA ON THE RESPONSE OF A MOUSE MAMMARY TUMOR	3423
ERMIA: INCLUDING PHANTOM STUDIES ON	LOCALIZED HYPERTHERMIA PRODUCTION AND MEASUREMENT (IN FRENCH)	0357
CANCER THERAPY WITH	LOCALIZED HYPERTHERMIA USING AN INVASIVE MICROWAVE SYSTEM	0226
CLINICAL AND BIOLOGICAL STUDIES OF	LOCALIZED HYPERTHERMIA	0161
CIDENCE OF CONGENITAL ANOMALIES: A	LOCALIZED INVESTIGATION	3140
THE EFFECTS OF	LOCALIZED MICROWAVE EXPOSURE ON THE DOG THYROID	1606
TUMOR CURE AND CELL SURVIVAL AFTER	LOCALIZED RADIOFREQUENCY HEATING	2120
MORPHOGENESIS AS INFLUENCED BY	LOCALLY ADMINISTERED MAGNETIC FIELDS	2114
AN INVASIVE MICROWAVE ANTENNA FOR	LOCALLY-INDUCED HYPER- THERMIA FOR CANCER THERAPY	0438
W) IRRADIATION AS RELATED TO SHAPE,	LOCATION AND ORIENTATION IN THE FIELD	3316
REGIONAL	LOCATION OF METEOROLOGICAL RADAR STATIONS	1439
	LOCOMOTOR ACTIVITY AFTER VARIOUS RADIOFREQUENCY LESIONS OF THE LIM	1871
	LOCOMOTOR ACTIVITY AND AGONISTIC BEHAVIOR OF TWO STRAINS OF MICE I	2038
PERCEPTION AND EFFECTS ON	LOCOMOTOR ACTIVITY IN AMERICAN EELS AND ATLANTIC SALMON OF EXTREME	1783
THE	LOG-NORMAL FUNCTION AS A STOCHASTIC MODEL OF THE DISTRIBUTION OF S	3178
THE DIELECTRIC PROPERTIES OF SOME	LONG CHAIN FATTY ACIDS AND THEIR METHYL ESTERS IN THE MICROWAVE RE	3201
CEPHALOGRAPHIC DATA OBTAINED DURING	LONG EXPOSURE TO EM RADIO FREQUENCY FIELDS	1343
	LONG LASTING SYNAPTIC POTENTIATION IN THE RAT DENTATE GYRUS FOLLOW	2857
EXPOSURE OF SQUIRREL MONKEYS FOR	LONG PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS: CENTRAL-N	1752
SELECTIVE	LONG RANGE DISPERSION FORCES BETWEEN LARGE SYSTEMS	3254
	LONG RANGE RADIATION HAZARD EXPERIMENT GETS UNDERWAY USING HUMAN V	0681
	LONG TERM EFFECTS OF EM FIELDS ON PHYSARUM POLCEPHALUM	2473
	LONG TERM RESULTS OF PERIPHERAL CONDITIONING STIMULATION AS AN ANA	0143
EDICAL EVALUATION OF LOW FREQUENCY (	LONG WAVE) EMR ASSOCIATED WITH ELECTRIC POWER TRANSMISSION	1195
POSSIBILITIES OF	LONG- AND SHORT-RANGE ELECTRIC INTERACTIONS OF BIOLOGICAL SYSTEMS	2426
LOW FREQUENCY EM FIELDS: EFFECT OF	LONG- TERM EXPOSURE ON SOIL ARTHROPODS AND OTHER ANIMALS IN NATURE	2160
IOCHEMICAL PARAMETERS FOLLOWING TWO	LONG- TERM EXPOSURES OF MICE TO MICROWAVE FIELDS (IN GERMAN)	2708
THERMAL REGULATION IN	LONG-EVANS RATS EXPOSED TO 2450 MHZ MICROWAVE RADIATION	1433
DISCUSSION OF	LONG-RANGE DEVELOPMENT PLANS IN THE AIR FORCE	1561
OF WOUNDS IN ANIMALS EXPOSED TO THE	LONG-TERM ACTION OF LOW-INTENSITY MICROWAVES	1519
	LONG-TERM CONTROL OF MYOCARDIAL THRESHOLD MEASURED BY MEANS OF A R	2078
	LONG-TERM EFFECTS OF 2.45-GHZ RADIATION ON THE ULTRASTRUCTURE OF T	2766
	LONG-TERM EFFECTS OF ELECTROCONVULSIVE SHOCK THERAPY ON SYNTHESIS	1893
	LONG-TERM EFFECTS OF WEAK 45-75 HZ EM FIELDS ON THE SLIME MOLD PHY	2182
LOW FREQUENCY EM FIELDS: EFFECT OF	LONG-TERM EXPOSURE ON SOIL ARTHROPODS IN NATURE	1769
GONADIC FUNCTION IN WORKMEN WITH	LONG-TERM EXPOSURE TO MICROWAVES	1318
P IN THE RAT CEREBRAL CORTEX DURING	LONG-TERM EXPOSURE TO MICROWAVES	1462
TI'S ORGAN IN GUINEA PIGS FOLLOWING	LONG-TERM EXPOSURE TO MICROWAVES (IN POLISH)	1901
ES IN FIVE ANIMAL POPULATIONS AFTER	LONG-TERM EXPOSURE TO SANGUINE/SEAFARER ELF EM FIELDS IN NATURE	1647
CAL CHANGES IN IMMUNIZED ANIMALS ON	LONG-TERM EXPOSURE TO SHF RADIO WAVES	0994
STUDY OF EFFECTS OF	LONG-TERM LOW-LEVEL RF EXPOSURE ON RATS: A PLAN	0400
THE DEVELOPMENT OF A	LONG-TERM PROGRAMME ON NON-IONIZING RADIATION PROTECTION	3121
Y SYNCHRONIZATION AND PACING IN THE	LONG-TERM TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN FRENCH)	3399
MAN'S PHYSIOLOGIC RESPONSE TO	LONG-TERM WORK DURING THERMAL AND POLLUTANT STRESS	2916
UDIES ON THE HEMATOLOGIC EFFECTS OF	LONG-TERM , LOW-DOSE MICROWAVE EXPOSURE	2398
	LONG-WAVELENGTH ANALYSIS OF EM POWER ABSORPTION BY PROLATE SPHEROI	1604
	LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF A PROLATE SP	1174
	LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF AN ELLIPSOID	1611
	LONG-WAVELENGTH EM POWER ABSORPTION IN ELLIPSOIDAL MODELS OF MAN A	1612
	LONG-WAVELENGTH EM POWER ABSORPTION IN PROLATE SPHEROIDAL MODELS O	1305
CELLULAR AND	LONGEVITY EFFECTS OF MICROWAVE RADIATION	0577
RETARDED TUMOR GROWTH AND GREATER	LONGEVITY IN MICE AFTER FETAL IRRADIATION BY 2450-MHZ MICROWAVES	0026
	LONGEVITY STUDY OF THE EFFECTS OF 3-CM MICROWAVE RADIATION ON MICE	0737
INTERFERENCE ANALYSIS OF A PROPOSED	LORAN-C STATION AT TWENTYNINE PALMS, CALIFORNIA	3597
NETIC VARIATIONS CAN BE DETECTED BY	LORENZINIAN AMPULLAE	0404
OPEN TIBIAL FRACTURE WITH SEGMENTAL	LOSS	2781
MICROWAVE MEASUREMENTS OF THE	LOSS IN LOW-LOSS DIELECTRICS	3331
R MEASURING DIELECTRIC CONSTANT AND	LOSS IN THE RANGE OF CENTIMETER WAVES	3333

MICROWAVE DIELECTRIC	LOSS OF BACILLUS SUBTILIS SPORES IN AQUEOUS SUSPENSIONS	0960
MENT OF THE DIELECTRIC CONSTANT AND	LOSS OF SOLIDS AND LIQUIDS BY A CAVITY PERTURBATION METHOD	0988
	LOSS OF VIABILITY OF PEAS CAUSED BY MICROWAVE HEATING	2405
SUREMENT OF DIELECTRIC CONSTANT AND	LOSS TANGENT	3446
ARGE DIELECTRIC CONSTANT WITH SMALL	LOSS	3288
DIELECTRIC CONSTANT +	LOSS	3314
MEASUREMENT OF ATTENUATION AND	LOSS	3345
ED METHOD FOR CALCULATING DC CORONA	LOSSES	3114
AD LINES WITH ALLOWANCES FOR CORONA	LOSSES AND INTERFERENCES: METHOD OF THEIR MEASUREMENT	3593
HOPPING	LOSSES IN POLARISABLE DIELECTRIC MEDIA	0750
LD DISTRIBUTION ALONG FINITE LENGTH	LOSSY DIELECTRIC SLABS IN WAVEGUIDE	1645
OF A MICROWAVE CAVITY CONTAINING A	LOSSY LIQUID	1802
IBUTION OF HEATING POTENTIAL INSIDE	LOSSY SPHERES	1209
THE POSTNATAL EFFECTS OF PROTRACTED	LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATION	2864
	LOW ENERGY EM PERTURBATION OF AN ENZYME SUBSTRATE	0487
DETERMINATION OF THE HEAT DEFECT OF	LOW ENERGY X-RAYS	3248
THE EFFECT OF	LOW ENERGY, EXTREMELY LOW FREQUENCY (ELF) EMR ON OPERANT BEHAVIOR	1757
MPACTS AND STUDIES OF THE EXTREMELY	LOW FRE- QUENCY COMMUNICATION SYSTEM (A BIBLIOGRAPHY W/ABSTRACTS)	0331
MECHANISMS BEHIND THE BIOEFFECTS OF	LOW FRE- QUENCY ELECTROMAGNETIC FIELDS	0441
	LOW FREQUENCIES, MOTILE CELLS, MEASUREMENTS AND MODELS, PART I (TH	0636
NTAL ELECTRIC FIELDS OSCILLATING AT	LOW FREQUENCY	0819
IC AND MAGNETIC FIELDS OF EXTREMELY	LOW FREQUENCY	1685
TIC FIELDS ALTERNATING AT EXTREMELY	LOW FREQUENCY	3102
AND TEMPORAL VARIATION OF EXTREMELY	LOW FREQUENCY (0-100 HZ) EM FIELDS	1663
EFFECT OF A	LOW FREQUENCY (50 HZ) ELECTRIC FIELD ON THE BODY (IN RUSSIAN)	0233
INFLUENCE OF A	LOW FREQUENCY (50 HZ) ELECTRIC FIELD ON THE ORGANISM	0379
E OF PERSONNEL EXPOSED TO EXTREMELY	LOW FREQUENCY (ELF) EM FIELDS	1214
LIT. ABSTRACTS ON EXTREMELY	LOW FREQUENCY (ELF) EM FIELDS	2298
EXTRA	LOW FREQUENCY (ELF) EMR AS A BIOCOMMUNICATIONS MEDIUM: A PROTEIN T	1670
THE EFFECT OF LOW ENERGY, EXTREMELY	LOW FREQUENCY (ELF) EMR ON OPERANT BEHAVIOR IN THE PIGEON AND THE	1757
EXTREMELY	LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SE	1787
EXTREMELY	LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRA	1788
BIOMEDICAL EVALUATION OF	LOW FREQUENCY (LONG WAVE) EMR ASSOCIATED WITH ELECTRIC POWER TRANS	1195
	LOW FREQUENCY ALTERNATING MAGNETIC FIELD IN THE TREATMENT OF PATIE	0278
EXTREMELY	LOW FREQUENCY ANTENNA OPERATION: TESTS FOR POSSIBLE IMPACT ON FIVE	1765
BIOLOGICAL RESEARCH FOR EXTREMELY	LOW FREQUENCY COMMUNICATIONS SYSTEMS	1683
	LOW FREQUENCY DIELECTRIC DISPERSION OF BIOLOGICAL TISSUES	0380
LAB. SIMULATION OF EXTREMELY	LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS	1672
LS AND ATLANTIC SALMON OF EXTREMELY	LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS	1783
EXTREMELY	LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS IN DOMESTIC BIRDS	3134
EFFECTS OF EXTREMELY	LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA	0863
LACK OF EFFECT OF EXTREMELY	LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA	1171
INFLUENCE OF EXTREMELY	LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMEN	1786
EXTREMELY	LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND	1782
	LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN THE SHAPE AND MOTI	0813
THE EFFECT OF	LOW FREQUENCY ELECTRIC FIELD ON ANAPHYLACTIC SHOCK AND ANTIBODY PR	1937
REMENT IN DOGS EXPOSED TO EXTREMELY	LOW FREQUENCY ELECTRIC FIELDS	0865
ND SOIL MICROORGANISMS TO EXTREMELY	LOW FREQUENCY ELECTRIC FIELDS	1761
AND MODELS, PART I (THE EFFECTS OF	LOW FREQUENCY ELECTRIC FIELDS ON AMOEBAE AND THEIR USES AS TOOLS F	0636
EFFECTS OF LOW LEVEL,	LOW FREQUENCY ELECTRIC FIELDS ON HUMAN REACTION TIME	1032
OF CONTINUOUS EXPOSURE TO EXTREMELY	LOW FREQUENCY ELECTRIC FIELDS ON RATS	1421
HE EFFECT OF CONTINUOUS EXPOSURE TO	LOW FREQUENCY ELECTRIC FIELDS ON THREE GENERATIONS OF MICE: A PILO	0674
ON THE INFLUENCE OF EXTRFMELY	LOW FREQUENCY ELECTRIC PROCESSES IN THE ATMOSPHERE OF MAN (IN GERM	2624
ON THE INFLUENCE OF EXTREMELY	LOW FREQUENCY ELECTRIC PROCESSES IN THE ATMOSPHERE OF THE WORLD (I	2625
EFFECTS OF	LOW FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS	0864
EFFECTS OF	LOW FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS	3276
INFLUENCE ON VISION OF EXTREMELY	LOW FREQUENCY ELECTROMAGNETIC FIELDS	0353
EFFECTS OF EXTREMELY	LOW FREQUENCY ELECTROMAGNETIC FIELDS ON PHYSARUM POLYCEPHALUM	3147
BIOEFFECTS OF EXTREMELY	LOW FREQUENCY ELECTROMAGNETIC FIELDS	0149
OF EXTREMELY	LOW FREQUENCY ELECTROMAGNETIC FIELDS	0152
THE EFFECTS OF	LOW FREQUENCY EM FIELD PULSES ON SKELETAL MUSCLE METABOLISM IN THE	2048
ROLONGED EXPOSURE TO WEAK EXTREMELY	LOW FREQUENCY EM FIELDS IN NATURE	1108
IGATION OF THE EFFECTS OF EXTREMELY	LOW FREQUENCY EM FIELDS ON FREE FLYING MIGRANT BIRDS	1756
EFFECTS OF EXTREMELY	LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM	1030
EFFECTS OF EXTREMELY	LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM	1753

IMPACT OF EXTREMELY	LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS	1759
IMPACT OF EXTREMELY	LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS IN NATURE	1766
IMPACT OF EXTREMELY	LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS. ONGOING STUDIES AT TH...	1689
INFLUENCE OF	LOW FREQUENCY EM FIELDS ON THE TOXINE GENERATING POTENTIAL OF THE...	1998
UDY OF THE INTERACTION OF EXTREMELY	LOW FREQUENCY EM FIELDS WITH BRAIN ORGANELLES	0799
OPHYSIOLOGICAL EFFECTS OF EXTREMELY	LOW FREQUENCY EM FIELDS: A REVIEW	0935
BIOLOGICAL EFFECTS OF STATIC AND	LOW FREQUENCY EM FIELDS: AN OVERVIEW OF UNITED STATES LITERATURE...	2393
SANGUINE EXTREME	LOW FREQUENCY EM FIELDS: EFFECT OF LONG- TERM EXPOSURE ON SOIL ART...	2160
SANGUINE/SEAFARER EXTREMELY	LOW FREQUENCY EM FIELDS: EFFECT OF LONG-TERM EXPOSURE ON SOIL ARTH...	1769
THE BIOLOGICAL IMPACTS OF EXTREMELY	LOW FREQUENCY EM RADIATIONS ASSOCIATED WITH THE NAVY SEAFARER COMM...	1885
	LOW FREQUENCY EMR AND GENETIC ABERRATIONS	1791
EXTREMELY	LOW FREQUENCY EMR BIOLOGICAL RESEARCH	0972
EFFECT OF EXTREMELY	LOW FREQUENCY EMR ON CHROMOSOMES	2550
EFFECTS OF WEAK	LOW FREQUENCY FIELDS ON CALCIUM EFFLUX FROM CHICK AND CAT CEREBRAL...	2727
A	LOW FREQUENCY H-FIELD RADIATION MONITOR	2200
ONKEYS IN THE PRESENCE OF EXTREMELY	LOW FREQUENCY LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIM...	3274
GENERATED BY INDUCTIVE VOLTAGES IN	LOW FREQUENCY MAGNETIC FIELD GENERATORS	1210
MAN PERCEPTION OF MODERATE STRENGTH	LOW FREQUENCY MAGNETIC FIELDS	1657
MAN PERCEPTION OF MODERATE STRENGTH	LOW FREQUENCY MAGNETIC FIELDS	2813
THERAPEUTIC USE OF CONSTANT AND	LOW FREQUENCY MAGNETIC FIELDS (LITERATURE REVIEW)	0218
THE EFFECT OF EXTREMELY	LOW FREQUENCY MAGNETIC FIELDS ON HUMAN PERFORMANCE: A PRELIMINARY...	1322
TRANSIENT RESPONSE OF	LOW FREQUENCY VERTICAL ANTENNAS TO HIGH ALTITUDE NUCLEAR ELECTROMA...	3098
EXTREMELY	LOW FREQUENCY VERTICAL, 45-HZ ELECTRIC FIELD EXPOSURE OF RATS: A S...	0957
EXTREMELY	LOW FREQUENCY, WEAK ELECTRIC FIELDS AFFECT SCHEDULE-CONTROLLED BEH...	1169
ONKEYS IN THE PRESENCE OF EXTREMELY	LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIME...	0764
ONKEYS IN THE PRESENCE OF EXTREMELY	LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIME...	0765
ONKEYS IN THE PRESENCE OF EXTREMELY	LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIME...	0766
RHESUS MONKEYS EXPOSED TO EXTREMELY	LOW FREQUENCY-LOW INTENSITY MAGNETIC FIELDS	1212
PRENATAL EXPOSURE TO AN EXTREMELY	LOW FREQUENCY-LOW INTENSITY ROTATING MAGNETIC FIELD AND INCREASES...	0667
ZONAL HARMONICS IN	LOW FREQUNCY TERRESTRAIL RADIO WAVE PROPAGATION	3569
ING IRRADIATION WITH MICRO-WAVES OF	LOW INTENSITY	0607
SUPERHIGH FREQUENCY IRRADIATION OF	LOW INTENSITY	1481
BIOLOGICAL EFFECT OF MICROWAVE OF	LOW INTENSITY	3065
ES UNDER THE EFFECT OF UHF FIELD OF	LOW INTENSITY (IN RUSSIAN)	1399
D DAILY URINE OF ANIMALS EXPOSED TO	LOW INTENSITY 10 CM WAVES	1358
LD PHYSARUM POLYCEPHALUM INDUCED BY	LOW INTENSITY 60 AND 75 HZ EM FIELDS	0907
RESULT OF CHRONIC IRRADIATION WITH	LOW INTENSITY CENTIMETER WAVELENGTHS	1352
THE EFFECT OF	LOW INTENSITY CENTIMETER WAVES ON THE FERTILITY OF FEMALE MICE...	1361
PHIC CHANGES UNDER THE INFLUENCE OF	LOW INTENSITY CHRONIC MICROWAVE IRRADIATIONS	1445
CLINICAL EXPERIENCES WITH	LOW INTENSITY DIRECT CURRENT STIMULATION OF BONE GROWTH	2779
AL THEORY FOR NERVE EXCITATION BY A	LOW INTENSITY EM FIELD	0647
ABLE STRUCTURES ON EXPOSURE TO VERY	LOW INTENSITY IRRADIATION	1461
PRESENCE OF EXTREMELY LOW FREQUENCY	LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2...	3274
	LOW INTENSITY MICROWAVE RADIATION AND THE VIRULENCE OF AGROBACTERI...	0022
EFFECTS OF	LOW INTENSITY MICROWAVE RADIATION ON MAMMALIAN SERUM PROTEINS...	0922
RATURE RELATING TO THE INFLUENCE OF	LOW INTENSITY MICROWAVES ON NERVOUS FUNCTION	2512
EFFECTS OF	LOW INTENSITY MICROWAVES ON PERFORMANCE	0506
SLEEP PROCESS OF RABBITS EXPOSED TO	LOW INTENSITY NONIONIZING EMR. I. DEVELOPMENT OF METHODOLOGY...	2174
BIOEFFECTS IN RESPONSE TO A	LOW INTENSITY PULSED 9,400 MHZ MICROWAVE ELECTROMAGNETIC FIELD...	0415
STIGATING THE BIOLOGICAL EFFECTS OF	LOW INTENSITY PULSED MICROWAVE RADIATION	0790
BEHAVIORAL EFFECTS OF	LOW INTENSITY UHF RADIATION	1542
NTAL STUDIES ON EM IRRADIATION WITH	LOW INTENSITY USW, SW, AND MW	1456
IRRADIATION OF RATS BY	LOW LEVEL 918 MHZ MICROWAVES: DELINEATING THE DOSE-RESPONSE RELATI...	2911
HE EFFECTS OF HIGH POWER PULSED AND	LOW LEVEL CW MICROWAVE RADIATION ON AN OPERANT BEHAVIOR IN RATS...	1310
SOME EFFECTS OF	LOW LEVEL MAGNETIC FIELDS ON GROWTH, DEVELOPMENT, AND BIOCHEMISTRY...	0099
	LOW LEVEL MICROWAVE EFFECTS ON THE TOTAL IRON BINDING CAPACITY OF...	2448
LEVANT TO THE BEHAVIORAL EFFECTS OF	LOW LEVEL MICROWAVE EXPOSURE	2576
BEHAVIORAL EFFECTS OF	LOW LEVEL MICROWAVE IRRADIATION IN THE CLOSED-SPACE SITUATION	1541
L AND BEHAVIORAL EFFECTS OF CHRONIC	LOW LEVEL MICROWAVE RADIATION IN RATS	2165
STUDY OF THE EFFECTS OF CHRONIC	LOW LEVEL MICROWAVE RADIATION ON RABBITS	1127
EFFECTS OF	LOW LEVEL MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT OF THE RAT...	0370
EFFECT OF CHRONIC	LOW LEVEL MICROWAVE RADIATION ON THE INCIDENCE OF CATARACT FORMATI...	3021
RT RATE IN FROG TO THE INCIDENCE OF	LOW LEVEL MICROWAVES	1206
NEURONAL EFFECTS OF	LOW LEVEL MICROWAVES	1857
F MICROTHERMAL EFFECTS DERIVED FROM	LOW LEVEL UHF-MICROWAVE IRRADIATION OF THE HEAD: INDIRECT CALORIC...	0524

EFFECTS OF	LOW LEVEL, LOW FREQUENCY ELECTRIC FIELDS ON HUMAN REACTION TIME	1032
EAD, ICTALURUS MELAS RAFINESQUE, TO	LOW LEVELS OF 60 HZ ALTERNATING ELECTRIC FIELDS	1205
L ALTERATIONS PRODUCED BY EXTREMELY	LOW LEVELS OF COHERENT RADIATION	0947
IVE STIMULUS CONTROL OF BEHAVIOR BY	LOW LEVELS OF PULSED MICROWAVE RADIATION	2161
IMMUNOLOGICAL EFFECTS OF	LOW MICROWAVE EXPOSURE	0435
DIELECTRIC INCREMENT OF	LOW MOLECULAR WEIGHT RNA IN DIOXANE AFTER APPLICATION OF STATIC EL	0641
Y EM WAVES AND A GAS MIXTURE WITH A	LOW OXYGEN CONTENT	3029
OR OF RATS EXPOSED TO MICROWAVES AT	LOW POWER DENSITIES	2764
ECTS OF HYPERFREQUENCY RADIATION OF	LOW POWER DENSITIES (IN FRENCH)	2631
IN OF RATS EXPOSED TO MICROWAVES OF	LOW POWER DENSITY	1141
ASE IN THE BRAIN OF RATS EXPOSED TO	LOW POWER DENSITY MICROWAVE RADIATION	2412
THE EFFECTS OF	LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES	0220
IOLOGICAL FUNCTION AS INFLUENCED BY	LOW POWER MODULATED RF ENERGY	0593
IDANCE BY RATS OF ILLUMINATION WITH	LOW POWER NONIONIZING EM ENERGY	0914
	LOW POWER RADIO-FREQUENCY AND MICROWAVE EFFECTS ON HUMAN ELECTROEN	0132
PACEMAKER INTERFERENCE: A	LOW RISK	1237
ENCIES ON ERYTHROCYTES PRESERVED AT	LOW TEMPERATURE	1504
PECTS OF THE BIOLOGICAL EFFECT OF A	LOW- FREQUENCY PULSED ELECTROMAGNETIC FIELD	3245
HANGES IN HEALTHY HUMANS EXPOSED TO	LOW- INTENSITY MICROWAVE FIELDS	2262
E HEMATOLOGIC EFFECTS OF LONG-TERM,	LOW-DOSE MICROWAVE EXPOSURE	2398
	LOW-FREQUENCY DIELECTRIC DISPERSION IN SUSPENSIONS OF ION-EXCHANGE	1852
CAL PROPERTIES OF MICROORGANISMS V.	LOW-FREQUENCY DIELECTRIC DISPERSION OF BACTERIA	1917
AND VISUAL SENSATIONS STIMULATED BY	LOW-FREQUENCY ELECTRIC CURRENTS	2760
IDS FROM CEREBRAL TISSUE WITH WEAK,	LOW-FREQUENCY ELECTRIC FIELDS	2310
EFFECT OF LOW-LEVEL,	LOW-FREQUENCY ELECTRIC FIELDS ON EEG AND BEHAVIOR IN MACACA NEMEST	0831
EFFECT OF	LOW-FREQUENCY ELECTRIC STIMULATION OF THE CAUDATE NUCLEUS ON THE C	1406
DETECTION OF LESIONS DUE TO PULSED	LOW-FREQUENCY EM FIELDS	2047
L PROPERTIES OF BIOLOGICALLY ACTIVE	LOW-FREQUENCY EM FIELDS (IN GERMAN)	2710
DO EXTREME	LOW-FREQUENCY EM FIELDS AFFECT SOIL ARTHROPODS? ONGOING STUDIES AT	1764
EFFECTS OF LOW-LEVEL,	LOW-FREQUENCY FIELDS ON HUMAN CIRCADIAN RHYTHMS	2420
THERAPEUTIC EFFECT OF CONSTANT AND	LOW-FREQUENCY INTERMITTENT MAGNETIC FIELDS (SURVEY OF THE LITERATU	2135
EFFECTS OF PULSED	LOW-FREQUENCY MAGNETIC FIELD ON ACTIVITY OF REDOX ENZYMES IN THE A	2054
OSED FOR SHORT PERIODS TO EXTREMELY	LOW-FREQUENCY MAGNETIC FIELDS	1297
FECTS OF CONTINUOUS AND ALTERNATING	LOW-FREQUENCY MAGNETIC FIELDS	0376
NKEYS FOR LONG PERIODS TO EXTREMELY	LOW-FREQUENCY MAGNETIC FIELDS: CENTRAL-NERVOUS-SYSTEM EFFECTS AS M	1752
INSTRUMENTATION AND APPLICATIONS OF	LOW-FREQUENCY MAGNETOTHERAPY	2121
PECTS OF THE BIOLOGICAL EFFECT OF A	LOW-FREQUENCY PULSED EM FIELD	0443
IVER FUNCTION UNDER THE EFFECT OF A	LOW-FREQUENCY PULSED EM FIELD	1514
N THE TESTES DUE TO THE EFFECT OF A	LOW-FREQUENCY PULSED EM FIELD ON THE ANIMAL ORGANISM	1508
EFFECT OF A	LOW-INTENSITY ELECTOMAGNETIC FIELD IN THE SUPER HIGH FREQUENCY RAN	0317
EFFECT OF	LOW-INTENSITY ELECTROMAGNETIC FIELD OF ULTRA HIGH FREQUENCY RANGE	0344
EFFECTS OF	LOW-INTENSITY MICROWAVE IRRADIATION ON THYROID AND ADRENAL FUNCTIO	3214
N AND ADRENOMEDULLARY ACTIVATION BY	LOW-INTENSITY MICROWAVE RADIATION	1111
THE ORGANISM UNDER THE INFLUENCE OF	LOW-INTENSITY MICROWAVE RADIATION	2260
MPLE ANIMALS UNDER THE INFLUENCE OF	LOW-INTENSITY MICROWAVE RADIATION	2261
EXPOSED TO THE LONG-TERM ACTION OF	LOW-INTENSITY MICROWAVES	1519
EFFECTS OF	LOW-INTENSITY MICROWAVES ON ISOLATED NEURONS	1058
INFLUENCE OF	LOW-INTENSITY MICROWAVES ON THE ACID-BASE BALANCE IN EXPERIMENTAL	1315
EM EVOKED RESPONSES ASSOCIATED WITH	LOW-INTENSITY PULSED UHF ENERGY	1036
N RATS EXPOSED PRENATALLY TO AN ELF	LOW-INTENSITY ROTATING MAGNETIC FIELD	0787
INVESTIGATION OF THE EFFECT OF	LOW-INTENSITY UHF EM WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANA	1633
SOME EFFECTS OF	LOW-LEVEL DOSAGES OF MICROWAVES ON ISOLATED NERVE ACTIVITY	2413
EFFECTS OF	LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF ANIMALS	2277
INFLUENCE OF	LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHIC	2289
NDUCTION OF CELLULAR ORIENTATION BY	LOW-LEVEL ELECTRICAL CURRENTS	2235
CHRONIC	LOW-LEVEL EXPOSURE OF RABBITS TO MICROWAVES	2156
THE EFFECT OF REPETITIVE PRENATAL	LOW-LEVEL MICROWAVE EXPOSURE ON DEVELOPMENT IN THE RAT	2677
	LOW-LEVEL MICROWAVE INTERACTION WITH ISOLATED MAMMALIAN HEARTS	2446
EART-RATE EFFECTS IN RABBITS DURING	LOW-LEVEL MICROWAVE IRRADIATION	0695
TRANSIENT EFFECTS OF	LOW-LEVEL MICROWAVE IRRADIATION ON BIOELECTRIC MUSCLE CELL PROPERT	0874
EFFECTS OF	LOW-LEVEL MICROWAVE RADIATION ON BEHAVIORAL BASELINES	1094
EFFECTS OF	LOW-LEVEL MICROWAVE RADIATION ON GERMINATION AND GROWTH RATE IN CO	2692
RY INVESTIGATIONS OF THE EFFECTS OF	LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RAT	1093
THE EFFECT OF CHRONIC,	LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE	2385
THE EFFECT OF CHRONIC,	LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE	2892

ENEBRIO MOLITOR TO THE INCIDENCE OF	LOW-LEVEL MICROWAVES	1973
STUDY OF EFFECTS OF LONG-TERM	LOW-LEVEL RF EXPOSURE ON RATS: A PLAN	0400
EFFECT OF	LOW-LEVEL , LOW-FREQUENCY ELECTRIC FIELDS ON EEG AND BEHAVIOR IN MA	0831
EFFECTS OF	LOW-LEVEL , LOW-FREQUENCY FIELDS ON HUMAN CIRCADIAN RHYTHMS	2420
CROWAVE MEASUREMENTS OF THE LOSS IN	LOW-LOSS DIELECTRICS	3331
	LOW-TEMPERATURE EXPERIMENTS IN RADIATION BIOPHYSICS (IN NORWEGIAN)	2597
TIC EFFECT OF INDUCTOTHERAPY OF THE	LUMBAR REGION IN DERMATOLOGY (IN RUSSIAN)	2716
PERCUTANEOUS RADIOFREQUENCY	LUMBAR RHIZOLYSIS	2853
THE REACTION OF	LUMINOUS BACTERIA TO MICROWAVE RADIATION EXPOSURES IN THE FREQUENC	3220
LASTIC TISSUES DURING HYPERTHERMIA:	LUMPED PARAMETER ANALYSIS	0188
A MILLIMETER-WAVE	LUNAR RADAR	3455
OTHERAPY ON MALIGNANT TUMORS OF THE	LUNG	0107
OF MICROWAVES IN THE MANAGEMENT OF	LUNG DISEASE	0784
YCLIC AMP LEVELS IN MOUSE BRAIN AND	LUNG FOLLOWING MICROWAVE IRRADIATION	2769
TRIC RAY' OVEN EXPOSURE ON SYSTEMIC	LUPUS ERYTHEMATOSUS	2012
IMMUNOREACTIVE	LUTEINIZING HORMONE RELEASING FACTOR IN PITUITARY STALK BLOOD FROM	0635
ELDS ON DEVELOPMENT OF ARTERIAL AND	LYMPHATIC COLLATERALS (AN EXPERIMENTAL STUDY)	2810
	LYMPHOBLASTOID TRANSFORMATION OF LYMPHOCYTES IN VITRO AFTER MICROW	0574
EM WITH PARTICULAR REFERENCE TO THE	LYMPHOCYTE	1074
EFFECT OF MICROWAVES (2450 MHZ) ON	LYMPHOCYTE BLAST TRANSFORMATION IN VITRO	2184
THE EFFECTS OF MICROWAVES ON HUMAN	LYMPHOCYTE CULTURES	1259
THE EFFECTS OF MICROWAVES ON HUMAN	LYMPHOCYTE CULTURES	2317
IN-VITRO RESPONSE OF	LYMPHOCYTE CULTURES EXPOSED TO RF RADIATION: PROGRESS REPT. ON FEA	2613
EVALUATION OF	LYMPHOCYTE FUNCTION IN MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES	0279
MMUNE SYSTEM: MODULATION OF IN VIVO	LYMPHOCYTE MIGRATION BY WHOLE-BODY HYPERTHERMIC RADIATION	0253
N THE MORPHOLOGY AND CHROMOSOMES OF	LYMPHOCYTES	2751
RAT	LYMPHOCYTES IN CELL CULTURE EXPOSED TO 2450 MHZ (CW) MICROWAVE RAD	2799
RADIO FREQUENCY RADIATION ON HUMAN	LYMPHOCYTES IN VITRO	0692
LYMPHOBLASTOID TRANSFORMATION OF	LYMPHOCYTES IN VITRO AFTER MICROWAVE IRRADIATION	0574
CW) MICROWAVE RADIATION: EFFECTS ON	LYMPHOCYTES	2902
CW) MICROWAVE RADIATION: EFFECTS ON	LYMPHOCYTES	2903
TTERN OF PATIENTS WITH LEUKEMIA AND	LYMPHOGRANULOMATOSIS (ACCORDING TO DATA FOR KUIBYSHEV REGION) (I	0025
LOGICAL CHARACTERIZATION OF CHRONIC	LYMPHOID LEUKEMIA (IN RUSSIAN)	2068
ENCY OF COMPLEMENT RECEPTOR-BEARING	LYMPHOID SPLEEN CELLS IN MICE	2066
IMMUNOLOGY AND EMPIRICAL STUDIES OF	LYMPHOID SPLENIC CELLS	2756
F SIMILARITY IN THE REACTION OF THE	LYMPHOID TISSUE TO ANTIGENIC AND NONANTIGENIC (ALTERNATING MAGNETI	2039
COMPLEX REACTION OF	LYMPHOID TISSUE TO INTERMITTENT MAGNETIC FIELDS	1997
IDE, X-RAYS, AND MAGNETIC FIELDS ON	LYMPHOMA CELS IN VIVO	2332
THERMIA ON SURVIVAL IN TRANSPLANTED	LYMPHOSARCOMA	0019
S OF THE PROTOPLASTS OF MICROCOCCUS	LYSODEIKTICUS	1916
ELECTRIC AND MAGNETIC PROPERTIES OF	LYSOZYME AND OTHER BIOMOLECULES	1738
OF SALMONELLAE ON POULTRY MEAT WITH	LYSOZYME , EDTA, X-RAY, MICROWAVE AND CHLORINE	1324
FECTS OF ELECTROMAGNETIC WAVES. (IN	LZE)	0334
ATION- INDUCED BIOLOGICAL DAMAGE IN	MACACA MULATTA	2397
THERMAL RESPONSE IN	MACACA MULATTA EXPOSED TO 15- AND 20-MHZ RADIOFREQUENCY RADIATION	2644
CTRIC FIELDS ON EEG AND BEHAVIOR IN	MACACA NEMESTRINA	0831
SPIRATORY RATE AND BODY MOVEMENT IN	MACACA-MULATTA	0734
OBSERVATIONS ON A PULSED DIATHERMY	MACHINE	0661
USE OF AN INDUSTRIAL PROTOTYPE	MACHINE FOR DRYING AND STERILIZINO PHARMACEUTICAL AMPOULES BY MICR	1228
THE TRONADO MICROWAVE	MACHINE : A FURTHER REPT	1969
OM THERAPEUTIC RADIATION GENERATING	MACHINES	2316
ETIC INTERFERENCE FROM RADIOTHERAPY	MACHINES	3417
RADIO-FREQUENCY WAVES ON BIOLOGICAL	MACROMOLECULES	0834
BIOLOGICAL EFFECTS OF R-F ON	MACROMOLECULES	3472
FECT OF CONSTANT MAGNETIC FIELDS ON	MACROMOLECULES (IN RUSSIAN WITH ENGLISH SUMMARY)	1121
EFFECTS OF R-F ENERGY ON BIOLOGICAL	MACROMOLECULES	3236
ICROWAVE EFFECTS ON GRANULOCYTE AND	MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO	0352
PSYCHOLOGICAL EFFECTS OF	MAGNETIC AND ELECTRIC FIELDS	1666
O-FREQUENCY AND MICROWAVE ENERGIES,	MAGNETIC AND ELECTRIC FIELDS	2125
EFFECT OF	MAGNETIC AND ELECTRIC FIELDS ON THE GROWTH AND RATE OF MUTATIONS O	1593
TREMELY LOW FREQUENCY LOW INTENSITY	MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2	3274
TREMELY LOW FREQUENCY-LOW INTENSITY	MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 1	0764
TREMELY LOW FREQUENCY-LOW INTENSITY	MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2	0765
TREMELY LOW FREQUENCY-LOW INTENSITY	MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 3	0766
THE EFFECTS OF A COMBINATION OF	MAGNETIC AND ELECTROMAGNETIC FIELDS ON CELLS	3006

INSECTS AND MAMMALS EXPOSED TO ELF	MAGNETIC	AND/OR ELECTRIC FIELDS AND CURRENTS	1781
HUMAN	MAGNETIC	AUDITORY EVOKED FIELDS	0187
THE	MAGNETIC	BLUEPRINT OF LIFE	0367
	MAGNETIC	COUPLING TO A PROLATE SPHEROID MODEL OF MAN	2435
	MAGNETIC	DIRECTION FINDING: EVIDENCE FOR ITS USE IN MIGRATORY INDI	2106
R MAGNETS MASK THE EFFECT OF NORMAL	MAGNETIC	DISTURBANCES ON PIGEON ORENTATION	0169
EVIDENCE FOR COLLECTIVE	MAGNETIC	EFFECTS IN AN ENZYME LIKELIHOOD OF ROOM TEMPERATURE SUPER	1737
COMPATIBILITY OF WEAK	MAGNETIC	ELF FIELDS	2832
TINO OF CELL-TYPES BY ABSORPTION OF	MAGNETIC	ENERGY	2328
	MAGNETIC	ENHANCEMENT OF ELECTRON DOSE DISTRIBUTION IN A PHANTOM	2537
W IN ARTERIES IN PRESENCE OF STATIC	MAGNETIC	FIELD	0017
UNDER THE THE INFLUENCE OF A STEADY	MAGNETIC	FIELD	0064
PROPERTIES OF PLATELETS IN CONSTANT	MAGNETIC	FIELD	0090
AND PEA CHLOROPLASTS ORIENTED IN A	MAGNETIC	FIELD	0197
LLUM UNDER THE EFFECT OF A CONSTANT	MAGNETIC	FIELD	0245
TO COMMERCIAL-FREQUENCY ALTERNATING	MAGNETIC	FIELD	0249
AIN UNDER THE EFFECT OF A PERMANENT	MAGNETIC	FIELD	0280
VITY RHYTHM INFLUENCED BY NEAR ZERO	MAGNETIC	FIELD	0688
ULT RATS EXPOSED TO AN ELF ROTATING	MAGNETIC	FIELD	0786
LY TO AN ELF LOW-INTENSITY ROTATING	MAGNETIC	FIELD	0787
BITING AND STOPPING BLOOD FLOW BY A	MAGNETIC	FIELD	0950
BIT DURING THE ACTION OF A CONSTANT	MAGNETIC	FIELD	0951
NS AND AFTER EXPOSURE TO A CONSTANT	MAGNETIC	FIELD	0952
L NERVE AND A CONSTANT INHOMOGENOUS	MAGNETIC	FIELD	1002
O-NATAL EXPOSURE TO AN ELF ROTATING	MAGNETIC	FIELD	1004
IAC DRIVING BY AN EXTERNAL ROTATING	MAGNETIC	FIELD	1013
ANGE IN THE DIRECTION OF AN APPLIED	MAGNETIC	FIELD	1021
O SINGLE EXPOSURE TO AN ALTERNATING	MAGNETIC	FIELD	1230
OF MICE EXPOSED TO THE ACTION OF A	MAGNETIC	FIELD	1231
EONS UNDER THE ACTION OF A CONSTANT	MAGNETIC	FIELD	1308
O THE BIOLOGICAL ACTION OF A PULSED	MAGNETIC	FIELD	1375
LIFE AND THE	MAGNETIC	FIELD	1552
RAIN IN THE ANTITUMORAL EFFECT OF A	MAGNETIC	FIELD	1557
MEMBRANES ORIENTED IN A HOMOGENEOUS	MAGNETIC	FIELD	1605
CHLOROPLAST MEMBRANES ORIENTED IN A	MAGNETIC	FIELD	1618
TIES IN ORGANS OF MICE INDUCED BY A	MAGNETIC	FIELD	2097
TISSUES BY MEANS OF AN ALTERNATING	MAGNETIC	FIELD	2111
HOMING PIGEON TO AN EARTH-STRENGTH	MAGNETIC	FIELD	2371
ION OF BONE FRAGMENTS IN A CONSTANT	MAGNETIC	FIELD	2478
S UNDER THE INFLUENCE OF A CONSTANT	MAGNETIC	FIELD	2479
VELOCITY IN NERVE EXPOSED TO A HIGH	MAGNETIC	FIELD	2565
EFFECTS OF ALTERNATING	MAGNETIC	FIELD (12 GAUSS) ON TRANSPLANTED NEUROBLASTOMA	1797
OD DURING AN EXPOSURE TO A CONSTANT	MAGNETIC	FIELD (IN RUSSIAN)	1628
ENT OF DISEASES OF LIMB STUMPS WITH	MAGNETIC	FIELD (IN RUSSIAN)	1631
GICAL ACTION OF WATER BY A CONSTANT	MAGNETIC	FIELD (IN RUSSIAN)	1897
ON STRESS ACTION OF THE ALTERNATING	MAGNETIC	FIELD (IN RUSSIAN)	2077
TIALS IN RABBITS IN A STRONG STATIC	MAGNETIC	FIELD (IN RUSSIAN)	2081
OW FREQUENCY-LOW INTENSITY ROTATING	MAGNETIC	FIELD AND INCREASES IN THYROID AND TESTICLE WEIGHT IN RAT	0667
REACTIONS OF RABBITS TO A CONSTANT	MAGNETIC	FIELD AND TO ULTRAHIGH- AND SUPERHIGH-FREQUENCY EM FIELDS	1486
THE NULL	MAGNETIC	FIELD AS REFERENCE FOR THE STUDY OF GEOMAGNETIC DIRECTION	1023
ACTION OF A	MAGNETIC	FIELD COMBINED WITH EM WAVES ON THE EXPERIMENTAL TRYPANOS	1774
EFFECT OF THE	MAGNETIC	FIELD COMPONENT OF THE KRAUSLECHNER METHOD ON THE HEALING	0131
BIOLOGICAL SIGNIFICANCE OF ZERO	MAGNETIC	FIELD CONDITIONS AND PERTURBATIONS OF MICROWAVE FIELDS BY	2431
ON THE	MAGNETIC	FIELD DEPENDENCE OF THE YIELD OF THE TRIPLET STATE IN REA	2401
A PHYSIOCHEMICAL MECHANISM FOR	MAGNETIC	FIELD DETECTION BY MIGRATORY BIRDS AND HOMING PIGEONS	2511
IOGRAPHIC STUDY ON THE ELECTRIC AND	MAGNETIC	FIELD EFFECT ON LIVING ORGANISMS	1586
ALTERNATING	MAGNETIC	FIELD EFFECT UPON HEALING OF ULCERS OF THE LOWER EXTREMIT	2719
ON THE MECHANISM OF	MAGNETIC	FIELD EFFECTS IN BACTERIAL PHOTOSYNTHESIS	0151
	MAGNETIC	FIELD EFFECTS ON RADICAL PAIR INTERMEDIATES IN BACTERIAL	2583
OF STAPHYLOCOCCUS AUREUS IN A NULL	MAGNETIC	FIELD ENVIRONMENT	2495
STUDIES ON	MAGNETIC	FIELD EXPOSURES OF DROSOPHILA MELANOGASTER AND PELVETIA F	2563
INDUCTIVE VOLTAGES IN LOW FREQUENCY	MAGNETIC	FIELD GENERATORS	1210
THE USE OF GLUCOSORTICOSTEROIDS AND	MAGNETIC	FIELD IN THE INTENSIVE THERAPY OF SEVERE FORMS VIRAL HEPA	0013
IALS FOLLOWING EXPOSURE TO CONSTANT	MAGNETIC	FIELD IN THE RAT (IN RUS.)	0160
LOW FREQUENCY ALTERNATING	MAGNETIC	FIELD IN THE TREATMENT OF PATIENTS WITH DEFORMING ARTHROS	0278

HIGH GRADIENT	MAGNETIC FIELD INHIBITS EMBRYONIC DEVELOPMENT OF FROGS	2115
THE SOLAR ACTIVITY AND THE EARTH'S	MAGNETIC FIELD INTENSITY (IN RUSSIAN)	2690
FFECT OF A CONSTANT AND ALTERNATING	MAGNETIC FIELD OF 1,000 OERSTED ON THE MITOTIC ACTIVITY (IN RUSSIA	1405
INFLUENCE OF ROTATING	MAGNETIC FIELD OF 200 GAUSS ON SPLENECTOMIZED MICE (IN CZECHOSLOVA	2709
NGES IN RABBITS EXPOSED TO A STATIC	MAGNETIC FIELD OF 600 OE (IN JAPANESE)	0020
EFFECT OF THE	MAGNETIC FIELD OF A SOLENOID ON THE CENTRAL NERVOUS SYSTEM	0727
N DEFICIENCY INDUCED BY ALTERNATING	MAGNETIC FIELD OF INDUSTRIAL FREQUENCY (IN RUSSIAN)	0014
INFLUENCE OF ALTERNATING	MAGNETIC FIELD OF INDUSTRIAL FREQUENCY ON THE THYROID GLAND FUNCTI	3432
MOTOR ACTIVITY OF MUSCLES IN A	MAGNETIC FIELD OF VARYING INTENSITY (IN RUSSIAN)	2216
EFFECTS OF A 60-HZ	MAGNETIC FIELD ON ACTIVITY LEVELS OF MICE	2765
EFFECTS OF PULSED LOW-FREQUENCY	MAGNETIC FIELD ON ACTIVITY OF REDOX ENZYMES IN THE ALBINO RAT LIVE	2054
EFFECT OF A PULSED	MAGNETIC FIELD ON CHICK EMBRYOS IN THE 48TH HOUR OF INCUBATION, AN	1599
THE EFFECT OF A CONSTANT	MAGNETIC FIELD ON E COLI ENZYME ACTIVITY	2483
THE EFFECT OF CONSTANT	MAGNETIC FIELD ON ECG IN EXPERIMENTAL ANIMALS	2061
EFFECT OF A PERMANENT	MAGNETIC FIELD ON ELABORATION OF CONDITIONED REFLEXES IN MICE UNDE	0273
EFFECT OF A HIGH-INTENSITY	MAGNETIC FIELD ON ENZYMATIC HYDROLYSIS OF NUCLEIC ACIDS	1558
BIOLOGICAL EFFECT OF PERMANENT	MAGNETIC FIELD ON HEMATOPOIETIC SYSTEM OF INTACT AND TUMOR-BEARING	0102
INFLUENCE OF AN ADDITIONAL	MAGNETIC FIELD ON HORNET NEST ARCHITECTURE	2461
HANISMS OF THE EFFECT OF STATIONARY	MAGNETIC FIELD ON INDUCED CARCINOGENESIS (IN RUSSIAN)	2594
EFFECTS OF	MAGNETIC FIELD ON INFLAMMATION	1932
THE INFLUENCE OF A STRONG	MAGNETIC FIELD ON MUSCULAR CONTRACTION	3249
CT OF SHF EM ENERGY AND OF CONSTANT	MAGNETIC FIELD ON MUTAGENESIS IN THE PRESENCE OF ANTIBIOTICS (IN R	2001
INFLUENCE OF A CONSTANT	MAGNETIC FIELD ON NERVOUS TISSUES. II. VOLTAGE-CLAMP STUDIES	0189
THE NATURE OF THE EFFECT OF A	MAGNETIC FIELD ON NUTRIENT MEDIUM COMPOSITION AND TOXIN PRODUCTION	2482
EFFECT OF	MAGNETIC FIELD ON OSCILLATING BLOOD FLOW IN ARTERIES	0920
EFFECT OF A HIGH INTENSITY CONSTANT	MAGNETIC FIELD ON PROLIFERATION OF EPITHELIAL CELLS IN THE MOUSE D	0065
EFFECT OF HOMOGENEOUS	MAGNETIC FIELD ON RED BLOOD CELLS: A CELL ELECTROPHORETIC STUDY	0117
EFFECT OF STEADY	MAGNETIC FIELD ON SOME ASPECTS OF ENERGY AND NITROGEN METABOLISM I	0429
DEMONSTRATING THE EFFECT OF A WEAK	MAGNETIC FIELD ON TARAXACUM OFFICINALE	0941
O THE INTACT ORGANISM TO A CONSTANT	MAGNETIC FIELD ON THE ACTIVITY OF OXIDATIVE ENZYMES IN THE LIVERS	2490
THE EFFECT OF BRIEF EXPOSURE TO A	MAGNETIC FIELD ON THE BLOOD SEDIMENTATION RATE IN HEALTH AND DISEA	2014
INFLUENCE OF THE EARTH'S	MAGNETIC FIELD ON THE COMB BUILDING ORIENTATION OF HORNETS	0304
THE INFLUENCE OF A CONSTANT	MAGNETIC FIELD ON THE CONCENTRATION OF FREE RADICALS IN THE ORGANS	2488
EFFECT OF CONSTANT	MAGNETIC FIELD ON THE COURSE OF PREGNANCY AND PROGENY DEVELOPMENT	1430
EFFECT OF A	MAGNETIC FIELD ON THE DIELECTRIC CONSTANT OF PROCESS WATER	0954
EFFECT OF THE	MAGNETIC FIELD ON THE DIRECTIONAL BEHAVIOR OF GOLDFISH	1227
EFFECT OF	MAGNETIC FIELD ON THE ELECTRICAL CONDUCTIVITY OF CHICKEN EGG PROTE	0219
THE EFFECT OF A	MAGNETIC FIELD ON THE NATURAL RESISTANCE OF WHITE MICE TO LISTERIA	2486
INFLUENCE OF A 1400-GAUSS	MAGNETIC FIELD ON THE RADIOSENSITIVITY AND RECOVERY OF EMT6 CELLS	2032
EFFECT OF	MAGNETIC FIELD ON THE RECOMBINATION FLUORESCENCE OF PHOTOSYNTHETIC	0032
EFFECT OF PERMANENT	MAGNETIC FIELD ON THE SPERM OF BREEDING BULLS (IN RUS)	0082
	MAGNETIC FIELD STANDARD AT FREQUENCIES ABOVE 30 MHZ	2189
A	MAGNETIC FIELD STRENGTH METER EMPLOYING THE HALL EFFECT IN GERMANI	3307
MEASUREMENT OF ELECTRIC AND	MAGNETIC FIELD STRENGTHS FROM INDUSTRIAL RADIOFREQUENCY (15-40.68	2210
ACTIVITY OF THE BRAIN IN A CONSTANT	MAGNETIC FIELD UNDER THE EFFECT OF CORAZOL	0281
	MAGNETIC FIELD UNIFORMITY AROUND NEAR-HELMHOLTZ COIL CONFIGURATION	3309
GENIC AND NONANTIGENIC (ALTERNATING	MAGNETIC FIELD) STIMULATION	2039
THE	MAGNETIC FIELD--A STRANGE STIMULUS	1553
	MAGNETIC FIELD-INDUCED INCREASE OF THE YIELD OF (BACTERIO) CHLOROP	0185
IOELECTRICAL ACTIVITY IN A CONSTANT	MAGNETIC FIELD	0191
SYSTEMS DURING EXPOSURE TO A STEADY	MAGNETIC FIELD	0426
ENTATION OF ERYTHROCYTES INDUCED BY	MAGNETIC FIELDS	0089
MATION OF MAMMALIAN CELLS BY STRONG	MAGNETIC FIELDS	0660
HANGES IN ADULT RATS EXPOSED TO ELF	MAGNETIC FIELDS	0783
TREMELY LOW FREQUENCY-LOW INTENSITY	MAGNETIC FIELDS	1212
PERIODS TO EXTREMELY LOW-FREQUENCY	MAGNETIC FIELDS	1297
BIOLOGICAL EFFECT OF PERMANENT	MAGNETIC FIELDS	1594
ON UNDER THE INFLUENCE OF PERMANENT	MAGNETIC FIELDS	1595
OF MODERATE STRENGTH LOW FREQUENCY	MAGNETIC FIELDS	1657
INTERACTIONS WITH WEAK ELECTRIC AND	MAGNETIC FIELDS	1660
BIOLOGICAL EFFECTS OF ELECTRIC AND	MAGNETIC FIELDS	1664
XTREMELY LOW FREQUENCY ELECTRIC AND	MAGNETIC FIELDS	1672
CES AND SAFE LEVELS OF ELECTRIC AND	MAGNETIC FIELDS	1681
BILITY OF CARDIAC PACEMAKERS TO ELF	MAGNETIC FIELDS	1754
TO PROJECT SANGUINE'S ELECTRIC AND	MAGNETIC FIELDS	1762

XTREMELY LOW FREQUENCY ELECTRIC AND	MAGNETIC FIELDS	1783
NSITIVITY OF SOME PLANT MATERIAL TO	MAGNETIC FIELDS	1900
A SEARCH FOR BIOLOGICAL EFFECTS OF	MAGNETIC FIELDS	1903
OF LYMPHOID TISSUE TO INTERMITTENT	MAGNETIC FIELDS	1997
GERED UNIPOLAR PACEMAKERS IN ACTIVE	MAGNETIC FIELDS	2086
INFLUENCED BY LOCALLY ADMINISTERED	MAGNETIC FIELDS	2114
ELLULAR RESPIRATION IN INTERMITTENT	MAGNETIC FIELDS	2117
F DOMESTIC FOWL TO ELF ELECTRIC AND	MAGNETIC FIELDS	2180
LITY OF CARDIAC PACEMAKERS TO 60 HZ	MAGNETIC FIELDS	2271
FILAMENTS IN INTERMEDIATE STRENGTH	MAGNETIC FIELDS	2338
HUMAN SUSCEPTIBILITY TO WEAK	MAGNETIC FIELDS	2485
F THE BIOLOGICAL EFFECT OF CONSTANT	MAGNETIC FIELDS	2489
F THE BIOLOGICAL ACTION PRODUCED BY	MAGNETIC FIELDS	2494
OF MODERATE STRENGTH LOW FREQUENCY	MAGNETIC FIELDS	2813
F PARAMECIUM IN STATIC ELECTRIC AND	MAGNETIC FIELDS	3489
IN RODENTS OF A 1-MONTH EXPOSURE TO	MAGNETIC FIELDS (200-1200 GAUSS)	1109
T OF THE FRUITFLY DROSOPHILA IN VLF	MAGNETIC FIELDS (IN GERMAN)	2071
IUM EXPOSED TO SUPERSTRONG CONSTANT	MAGNETIC FIELDS (IN RUSSIAN)	1402
C USE OF CONSTANT AND LOW FREQUENCY	MAGNETIC FIELDS (LITERATURE REVIEW)	0218
FECT OF NATURAL AND WEAK ARTIFICIAL	MAGNETIC FIELDS (ON THE STATE OF THE ART)	1003
TANT AND LOW-FREQUENCY INTERMITTENT	MAGNETIC FIELDS (SURVEY OF THE LITERATURE)	2135
EXPOSURE OF MAN TO	MAGNETIC FIELDS ALTERNATING AT EXTREMELY LOW FREQUENCY	3102
THE USE OF	MAGNETIC FIELDS AND ELECTRONIC NOISE FOR THE THERAPY OF INSOMNIA A	1413
	MAGNETIC FIELDS AND MAN: WHERE DO WE STAND TODAY?	2098
	MAGNETIC FIELDS AND NERVE FUNCTION	0842
	MAGNETIC FIELDS AND ORGANISMS (IN CZECHOSLOVAKIAN)	1412
	MAGNETIC FIELDS AND THE NUMBER OF BLOOD PLATELETS	2096
BIOLOGICAL EFFECTS OF ELECTRIC AND	MAGNETIC FIELDS ASSOCIATED WITH ELF COMMUNICATIONS SYSTEMS	0394
BIOLOGIC EFFECTS OF ELECTRIC AND	MAGNETIC FIELDS ASSOCIATED WITH PROPOSED PROJECT SEAFARER	2457
EFFECT OF	MAGNETIC FIELDS COMBINED WITH EM WAVES ON TRYPANOSOMATIC ORCHITIS	0866
BIOLOGICAL SENSITIVITY TO WEAK	MAGNETIC FIELDS DUE TO BIOLOGICAL SUPERCONDUCTIVE JOSEPHSON JUNCTI	2105
XTREMELY LOW FREQUENCY ELECTRIC AND	MAGNETIC FIELDS IN DOMESTIC BIRDS	3134
EFFECT OF	MAGNETIC FIELDS IN INDUSTRY ON THE CENTRAL NERVOUS SYSTEM (EEG DAT	1426
STEADY	MAGNETIC FIELDS IN NONINVASIVE ELECTROMAGNETIC FLOWMETRY	0389
BIOLOGICAL SENSITIVITY TO	MAGNETIC FIELDS IN ORIENTATIONAL RESPONSES	2417
CY FIELDS, X-RADIATION AND CONSTANT	MAGNETIC FIELDS IN PLASMA STUDY DEVICES	1340
ON THE ROLE OF ELECTRICAL AND	MAGNETIC FIELDS IN THE VITAL ACTIVITIES OF BIOLOGICAL SYSTEMS	0763
& MEASUREMENT OF INTERNAL ELECTRO-	MAGNETIC FIELDS INDUCED IN FINITE BIOLOGICAL BODIES BY NONUNIFORM	0137
	MAGNETIC FIELDS IRRADIATION, 'IONOMODULATOR' AND 'EICHOTHERM' APPA	1411
ELECTRIC AND	MAGNETIC FIELDS NEAR A CIRCULAR LOOD AT 27 MHZ	3310
BIOLOGICAL EFFECTS OF ELECTRIC AND	MAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY	1685
VISUALLY EVOKED	MAGNETIC FIELDS OF THE HUMAN BRAIN	2099
INFLUENCE OF COMBINED ELECTRIC AND	MAGNETIC FIELDS ON BIOLOGICAL CELLS AND OTHER PARTICLES (IN GERMAN	1733
SICAL EXPLANATIONS OF THE EFFECT OF	MAGNETIC FIELDS ON BIOLOGICAL OBJECTS	3189
FFECTS OF STRONG INFRALOW-FREQUENCY	MAGNETIC FIELDS ON BONE MARROW CELL DIVISION	0437
SOME POSSIBLE EFFECTS OF STATIC	MAGNETIC FIELDS ON CANCER	1836
EFFECTS OF UHF	MAGNETIC FIELDS ON DEVELOPMENT OF ARTERIAL AND LYMPHATIC COLLATERA	2810
EFFECTS OF WEAK	MAGNETIC FIELDS ON GERBIL SPONTANEOUS ACTIVITY	2122
INFLUENCE OF	MAGNETIC FIELDS ON GROWTH AND REGENERATION IN ORGAN CULTURE	0147
SOME EFFECTS OF LOW LEVEL	MAGNETIC FIELDS ON GROWTH, DEVELOPMENT, AND BIOCHEMISTRY OF THE CH	0099
E OF 50 HZ ALTERNATING ELECTRIC AND	MAGNETIC FIELDS ON HUMAN BEINGS	1587
E EFFECT OF EXTREMELY LOW FREQUENCY	MAGNETIC FIELDS ON HUMAN PERFORMANCE: A PRELIMINARY STUDY	1322
ASURING THE EFFECTS OF ELECTRIC AND	MAGNETIC FIELDS ON INSECTS IN MOTION	1674
ACTION OF EM WAVES AND	MAGNETIC FIELDS ON LIPID MODIFICATIONS BROUGHT ON IN THE RABBIT BY	1775
SEARCH FOR EFFECTS OF 45 HZ	MAGNETIC FIELDS ON LIVER TRIGLYCERIDES IN MICE	0927
EFFECTS OF ELECTRIC AND	MAGNETIC FIELDS ON LIVING ORGANISMS AND IN PARTICULAR ON MAN--GENE	1585
FECTS OF IODOACETAMIDE, X-RAYS, AND	MAGNETIC FIELDS ON LYMPHOMA CELLS IN VIVO	2332
EFFECT OF CONSTANT	MAGNETIC FIELDS ON MACROMOLECULES (IN RUSSIAN WITH ENGLISH SUMMARY	1121
EFFECT OF	MAGNETIC FIELDS ON REACTION TIME PERFORMANCE	2107
XTREMELY LOW FREQUENCY ELECTRIC AND	MAGNETIC FIELDS ON ROOTS OF VICIA FABA	0863
XTREMELY LOW FREQUENCY ELECTRIC AND	MAGNETIC FIELDS ON ROOTS OF VICIA FABA	1171
EFFECT OF CONSTANT AND VARIABLE	MAGNETIC FIELDS ON SOME INDICES OF PHYSIOLOGICAL FUNCTIONS AND MET	2493
THE ACTION OF	MAGNETIC FIELDS ON THE ANIMAL ORGANISM (IN FRENCH)	2629
EFFECTS OF UNIFORM	MAGNETIC FIELDS ON THE BIOELECTRIC RESPONSE OF THE ALGA NITELLA CL	1583
THE EFFECT OF ELECTROMAGNETIC AND	MAGNETIC FIELDS ON THE CENTRAL NERVOUS SYSTEM	3070

INFLUENCE OF STRONG	MAGNETIC FIELDS ON THE ELECTROCARDIOGRAM OF SQUIRREL MONKEYS (SAIM	2496
EFFECTS OF LOW-LEVEL ELECTRIC AND	MAGNETIC FIELDS ON THE GROWTH OF ANIMALS	2277
INFLUENCE OF LOW-LEVEL ELECTRIC AND	MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHICKENS	2289
EFFECT OF ZERO	MAGNETIC FIELDS ON THE MEMBRANE BOUND ENZYME ACTIVITY	2620
THE EFFECT OF ELECTRICAL AND	MAGNETIC FIELDS ON THE VITAL ACTIVITY OF ORGANISMS	3507
EFFECT OF	MAGNETIC FIELDS ON YEAST CELLS (IN GERMAN)	2714
MAGNETOENCEPHALOGRAPHY: EVIDENCE OF	MAGNETIC FIELDS PRODUCED BY ALPHA-RHYTHM CURRENTS	2100
ELECTRIC AND	MAGNETIC FIELDS PRODUCED BY COMMERCIAL POWER SYSTEMS	1665
XTREMELY LOW FREQUENCY ELECTRIC AND	MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, AND BEHAVIOR IN DOMESTIC	1786
PHYSIOLOGICAL EFFECTS DUE TO RF AND	MAGNETIC FIELDS USED IN NMR IMAGING	0135
VISUAL OBSERVATION OF RF	MAGNETIC FIELDS USING CHOLESTERIC LIQUID CRYSTALS	3364
LUENCE OF VARIOUS PHYSICAL FACTORS (	MAGNETIC FIELDS) ON THE DEVELOPMENT OF ARTEMIA SALINA EGGS (IN FRE	2143
RAMS OF RATS AND DOGS EXPOSED TO DC	MAGNETIC FIELDS	0232
NUOUS AND ALTERNATING LOW-FREQUENCY	MAGNETIC FIELDS	0376
ESHOLDS OF WHEAT STEMS AND ROOTS TO	MAGNETIC FIELDS	0377
MEASUREMENT OF INHOMOGENEOUS	MAGNETIC FIELDS	3312
BIOLOGIC EFFECTS OF	MAGNETIC FIELDS. (IN CZE)	0326
ME-SUBSTRATE REACTIONS IN VERY HIGH	MAGNETIC FIELDS. I	2118
PERIODS TO EXTREMELY LOW-FREQUENCY	MAGNETIC FIELDS: CENTRAL-NERVOUS-SYSTEM EFFECTS AS MEASURED BY REA	1752
ELECTRIC FIELDS AND	MAGNETIC FLUX UNDER EHV OVERHEAD POWER TRANSMISSION LINES	0166
MICROWAVES,	MAGNETIC IRON PARTICLES AND LASERS AS A COMBINED TEST MODEL FOR IN	1619
DEVELOPMENT OF	MAGNETIC NEAR-FIELD PROBES	1186
DEVELOPMENT OF ELECTRIC AND	MAGNETIC NEAR-FIELD PROBES	1263
	MAGNETIC PERILS?	2119
ELECTRIC AND	MAGNETIC PROPERTIES OF LYSOZYME AND OTHER BIOMOLECULES	1738
TUMOR DETECTION BY NUCLEAR	MAGNETIC RESONANCE	1967
NVESTIGATION OF THE APPLICATIONS OF	MAGNETIC RESONANCE ABSORPTION SPECTROSCOPY TO THE STUDY OF THE EFF	1472
TEST OF	MAGNETIC SENSITIVITY IN THREE DIFFERENT BIOLOGICAL SYSTEMS	0159
	MAGNETIC STIMULATION OF NERVE TISSUE	2116
EFFECT OF EXPERIMENTAL	MAGNETIC STORM ON THE PRODUCTION OF LAMBDA PHAGE	0412
EXPERIENCE WITH	MAGNETIC THERAPY OF PAINFUL NEUROMAS OF EXTREMITY STUMPS (IN RUSSI	2845
YGIENIC ASSESSMENT OF THE METHOD OF	MAGNETIC TREATMENT OF WATER IN THE HOT WATER SUPPLY SYSTEM (IN RUS	2603
N THE ACTION OF MILLIMETER ELECTRO-	MAGNETIC WAVES ON BIOLOGIC OBJECTS (IN RUSSIAN)	0294
IN THE	MAGNETIC WEB	2093
PANEL ON	MAGNETIC , RADIOFREQUENCY AND OTHER FIELD EFFECTS	3506
WORKSHOP ON	MAGNETIC-ELECTRIC FIELDS AND ENVIRONMENT	1680
MEASUREMENT OF ELECTRIC- AND	MAGNETIC-FIELD STRENGTHS FROM INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ	0402
E BESTIMMUNG DER DIELEKTRISCHEN UND	MAGNETISCHEN EIGENSHAFTEN INHOMOGENER DIELEKTRIKEN, INSHESONDERE B	3486
OF LIFE AND DEATH AND	MAGNETISM	0706
EFFECTS OF	MAGNETISM ON THROMBOCYTE COAGULATION	0272
FAILURE OF	MAGNETISM TO INFLUENCE PRODUCTION OF X-RAY INDUCED SEX-LINKED RECE	1966
	MAGNETISM : ITS EFFECT ON LIVING MATTER--A BIBLIOGRAPHY	2113
MICROWAVE BEHAVIOR OF PARTIALLY	MAGNETIZED FERRITES	3355
AND A SIMPLIFIED INTERPRETATION OF	MAGNETOCARDIOGRAMS FROM HUMANS	2102
	MAGNETOCARDIOGRAMS TAKEN INSIDE A SHIELDED ROOM WITH A SUPERCONDUC	2103
	MAGNETOCARDIOGRAPHY OF DIRECT CURRENTS: S-T SEGMENT AND BASELINE S	2104
MAN IN A GAS TACHYON	MAGNETOELECTRIC DIPOLES - A NEW HYPOTHESIS. PT III: DEVELOPMENT OF	0123
MAN IN A GAS OF TACHYON	MAGNETOELECTRIC DIPOLES-	0122
THE HUMAN	MAGNETOENCEPHALOGRAM : SOME EEG AND RELATED CORRELATIONS	2462
	MAGNETOENCEPHALOGRAPHY : DETECTION OF THE BRAIN'S ELECTRICAL ACTIVI	2101
	MAGNETOENCEPHALOGRAPHY : EVIDENCE OF MAGNETIC FIELDS PRODUCED BY AL	2100
MAN IN A GAS TACHYON	MAGNETOLECTRIC DIPOLES- A NEW HYPOTHESIS. PT I: A SUMMARY OF SOME	0141
CAL ACTIVITY WITH A SUPERCONDUCTING	MAGNETOMETER	2101
ITH A SUPERCONDUCTING POINT-CONTACT	MAGNETOMETER	2103
EFFECT OF AN ACTIVE	MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS	2036
	MAGNETOTACTIC BACTERIA	1332
N AND APPLICATIONS OF LOW-FREQUENCY	MAGNETOTHERAPY	2121
EMPLOYMENT OF	MAGNETOTHERAPY IN THE COMPLEX TREATMENT OF PATIENTS WITH ULCERS (I	0325
	MAGNETOTHERAPY OF INFECTED OPEN FRACTURES	0351
FURTHER STUDIES IN	MAGNETOTROPISM	2606
	MAGNETOTROPISM : A NEW PLANT-GROWTH RESPONSE	2094
ONSIDERATIONS CONCERNING THE USE OF	MAGNETRON GENERATORS IN MICROWAVE BIOLOGICAL RESEARCH	0691
PIGEONS HAVE	MAGNETS	0286
SOFT TISSUE STRETCHING WITH	MAGNETS	3407

	MAGNETS INTERFERE WITH PIGEON HOMING	2109
BAR	MAGNETS MASK THE EFFECT OF NORMAL MAGNETIC DISTURBANCES ON PIGEON	0169
MICROWAVES CAN KILL AND	MAIM	3533
HEAT IN	MALE CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROW	0932
THE CLINICAL TESTING OF	MALE GONAD SHIELDS	3620
BY NON-IONIZING RADIATION IN SWISS	MALE MICE	2178
AR DEVELOPMENT AND FERTILITY IN THE	MALE RAT	2890
T WAVES ON THE BREEDING CAPACITY OF	MALE RATS	1360
SES TO MICROWAVE RADIATION IN YOUNG	MALE RATS	1434
OWAVES ON STEROIDS PLASMA LEVELS IN	MALE RATS	2788
MUTAGENIC AND REPRODUCTIVE TESTS IN	MALE RATS EXPOSED TO 425 OR 2450 MHZ (CW) MICROWAVES	3388
CROSSING-OVER IN	MALES OF DORSOPHILA INDUCED BY RADIO FREQUENCY TREATMENT	0538
CONGENITAL	MALFORMATIONS IN THE RAT FOLLOWING INDUCED HYPERTHERMIA DURING GES	2917
COMMON RADIATION MAY CAUSE SERIOUS	MALFUNCTIONS IN PACEMAKERS	2003
ELECTRICAL PROPERTIES OF NORMAL AND	MALIGNANT BIOLOGICAL TISSUE IN VIVO	3142
MBINATION WITH RADIATION THERAPY. I.	MALIGNANT CUTANEOUS LESIONS	2618
TING OF DIELECTRICALLY ENCAPSULATED	MALIGNANT MOUSE TUMOR	2739
MICROWAVE HEATING OF	MALIGNANT MOUSE TUMORS AND TISSUE EQUIVALENT PHANTOM SYSTEMS	1116
T FIELD HYPERTHERMIA OF SPONTANEOUS	MALIGNANT NEOPLASMS OF ANIMALS. A PRECLINICAL STUDY	2329
ETIC IONIZATION IN THE TREATMENT OF	MALIGNANT TUMORS	0023
OF RADIOFREQUENCY THERMOTHERAPY ON	MALIGNANT TUMORS OF THE LUNG	0107
TREATMENT OF	MALIGNANT TUMORS WITH RADIOFREQUENCY REPORTED	1165
HEALING OF NONUNION OF THE MEDIAL	MALLEOLUS BY MEANS OF DIRECT CURRENT: A CASE REPT	1813
RANSMISSION RIGHTS- OF-WAY ON SMALL	MAMMAL DISTRIBUTION, DIVERSITY, AND COMMONITY STRUCTURE	0184
PILOT SURVEY OF SMALL	MAMMAL POPULATIONS IN THE CHEQUAMEGON NATIONAL FOREST DURING 1971	1751
CROWAVE-INDUCED ACOUSTIC EFFECTS IN	MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERIALS	1072
MICROWAVE PROPERTIES OF FRESH	MAMMALIAN BRAIN TISSUES AT BODY TEMPERATURE	1282
F MODULATED RF ENERGY ON THE EEG OF	MAMMALIAN BRAINS :EFFECTS OF ACUTE & CHRONIC IRRADIATIONS	0095
F MODULATED RF ENERGY ON THE EEG OF	MAMMALIAN BRAINS. II. APPEARANCE OF FAST AND SLOW WAVES AFTER CHRO	0287
CROWAVES ON VIRUS MULTIPLICATION IN	MAMMALIAN CELLS	1159
IC EFFECTS OF 2450 MHZ RADIATION ON	MAMMALIAN CELLS	2342
AND PHYSIOLOGICAL TRANSFORMATION OF	MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS	0660
T OF MICROWAVE EMR ON THE GROWTH OF	MAMMALIAN CELLS IN TISSUE CULTURE	2514
ADIO- FREQUENCY WAVE IRRADIATION OF	MAMMALIAN CELLS IN VITRO	0256
NVIRONMENTAL ELECTRIC FIELDS ON THE	MAMMALIAN CENTRAL NERVOUS SYSTEM	0211
EM PULSE INTERACTION WITH	MAMMALIAN CRANIAL STRUCTURES	1226
F TWO CROSS-POLARIZED EM WAVES WITH	MAMMALIAN CRANIAL STRUCTURES	1243
MICROWAVE INTERACTION WITH ISOLATED	MAMMALIAN HEARTS	2446
OW INTENSITY MICROWAVE RADIATION ON	MAMMALIAN SERUM PROTEINS	0922
ELECTRIC CURRENT SPARKS	MAMMALIAN TISSUE REGENERATION	0739
DETECTION OF WEAK EMR BY THE	MAMMALIAN VESTIBULOCOCHLEAR APPARATUS	1071
EXPOSURE OF	MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS ON THE PROP	3128
EXPOSURE OF	MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS ON HEART'S	3129
ASPECTS OF MICROWAVE IRRADIATION OF	MAMMALS	3604
DIAN RHYTHMS IN PLANTS, INSECTS AND	MAMMALS EXPOSED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENT	1781
DISRUPTION OF BEHAVIOR IN	MAMMALS OF THREE DIFFERENT SIZES EXPOSED TO MICROWAVES: EXTRAPOLAT	0225
MICROWAVES: EXTRAPOLATION TO LARGER	MAMMALS	0225
DRUG-INDUCED ECTOTHERMIA IN SMALL	MAMMALS : THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER	2738
DRUG-INDUCED ECTOTHERMIA IN SMALL	MAMMALS : THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER	2897
OWAVE-INDUCED LOCAL HYPERTHERMIA ON	MAMMARY ADENOCARCINOMA IN C3H MICE	1238
ADIATION TREATMENT OF A SOLID MOUSE	MAMMARY ADENOCARCINOMA IN VIVO (LETTER TO THE EDITOR)	2819
RTHERMIA ON THE RESPONSE OF A MOUSE	MAMMARY TUMOR	3423
ON IN BODY- OF-REVOLUTION MODELS OF	MAN	0097
LATION AND ON TISSUE TEMPERATURE IN	MAN	0481
ENT OF THE RADAR CROSS SECTION OF A	MAN	0556
ION DIFFRACTION AND TRANSMISSION BY	MAN	0824
OWAVE REFLECTION AND DIFFRACTION BY	MAN	0884
DIRECTIONAL EFFECTS IN ANIMALS AND	MAN	1023
VE THERAPY AND MUSCLE BLOOD FLOW IN	MAN	1156
INFLUENCE OF EM FIELDS ON	MAN	1173
TION OF A PROLATE SPHEROID MODEL OF	MAN	1174
PHEROIDAL AND ELLIPSOIDAL MODELS OF	MAN	1604
ADIATION OF AN ELLIPSOIDAL MODEL OF	MAN	1611
ELECTRICAL POWER INDUSTRY FIELDS ON	MAN	1889
ECTRICAL DISCHARGE INFLUENCE UPON A	MAN	1936

TED AUDITORY EFFECTS IN ANIMALS AND	MAN	2149
EM FIELDS IN A HOMOGENEOUS MODEL OF	MAN	2319
LING TO A PROLATE SPHEROID MODEL OF	MAN	2435
FFECTS OF ELECTROMAGNETIC ENERGY ON	MAN	2977
EFFECTS OF ELECTRIC CURRENT ON	MAN	3277
RIC FIELDS OF HIGH-TENSION LINES ON	MAN (IN GERMAN)	2406
TRIC PROCESSES IN THE ATMOSPHERE OF	MAN (IN GERMAN)	2624
WAVES ON SOME ORGANS AND SYSTEMS OF	MAN (IN RUSSIAN)	0319
ELF COUPLING TO SPHERICAL MODELS OF	MAN AND ANIMALS	1244
ION IN PROLATE SPHEROIDAL MODELS OF	MAN AND ANIMALS	1305
OF STRONGEST EM POWER DEPOSITION IN	MAN AND ANIMALS	1389
ABSORPTION IN ELLIPSOIDAL MODELS OF	MAN AND ANIMALS	1612
C ELECTRIC FIELD ON THE ORGANISM OF	MAN AND ANIMALS	2812
ROWAVE RADIATION ON THE ORGANISM OF	MAN AND ANIMALS (TRANSLATION FROM RUSSIA)	3520
ITION IN PROLATE SPHEROID MODELS OF	MAN AND ANIMALS AT RESONANCE	2785
OF POWER ABSORBED IN THE TISSUES OF	MAN AND ANIMALS EXPOSED TO EM FIELDS	2840
OR ELECTROMAGNETIC ABSORBED DOSE IN	MAN AND ANIMALS	0403
INTERACTION OF EM FIELDS WITH	MAN AND EXPERIMENTAL ANIMALS	1291
THE CRITICAL EXPOSURE VARIABLES FOR	MAN AND EXPERIMENTAL ANIMALS	2913
ENCY EM FIELDS ON PHANTOM MODELS OF	MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIALS	1293
PY, PART I: HYPERTHERMIC EFFECTS IN	MAN AND SPONTANEOUS ANIMAL TUMORS	2063
BUTION MEASUREMENTS IN PROXIMITY TO	MAN AND THEIR PRACTICAL APPLICATION	1098
CTED CASES OF MICROWAVE CATARACT IN	MAN ASSOCIATED WITH CONCOMITANT ANNOTATED PATHOLOGIES	0890
THE PRODUCTION OF FEVER IN	MAN BY SHORT RADIO WAVES	0454
DEPOSITION IN A SPHERICAL MODEL OF	MAN EXPOSED TO 1-20-MHZ EM FIELDS	1700
UE STRUCTURES AND PHANTOM MODELS OF	MAN EXPOSED TO HIGH FREQUENCY EM FIELDS	1740
ETERMINATION OF POWER ABSORPTION IN	MAN EXPOSED TO HIGH FREQUENCY EM FIELDS BY THERMOGRAPHIC MEASUREME	1246
EM POWER DEPOSITION IN	MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AN	0811
A PROGRAM TO ASSESS THE EFFECTS ON	MAN FROM EXPOSURE TO MICROWAVES	0503
	MAN IN A GAS OF TACHYON MAGNETOELECTRIC DIPOLES-	0122
	MAN IN A GAS TACHYON MAGNETOELECTRIC DIPOLES - A NEW HYPOTHESIS. P	0123
	MAN IN A GAS TACHYON MAGNETOLECTRIC DIPOLES- A NEW HYPOTHESIS. PT	0141
THE COMPATIBILITY OF	MAN IN THE MICROWAVE ENVIRONMENT	0505
NATURAL AND	MAN MADE FACTORS DECREASING THE NATURAL ELECTRIC FIELD (IN GERMAN)	2844
OF SAR FOR PLANEWAVE IRRADIATION OF	MAN MODEL NEAR A GROUND PLANE	0242
EXPOSURE OF	MAN TO MAGNETIC FIELDS ALTERNATING AT EXTREMELY LOW FREQUENCY	3102
ELECTROMAGNETIC POWER DEPOSITION IN	MAN WITH AND WITHOUT GROUND EFFECTS	3618
ENERGY IN ANIMALS AND IN MODELS OF	MAN WITH AND WITHOUT GROUNDING AND REFLECTOR EFFECTS	2733
F EM ENERGY DEPOSITION IN MODELS OF	MAN WITH FREQUENCIES NEAR RESONANCE	2188
MEDICAL EVALUATION OF	MAN WORKING IN AC ELECTRIC FIELDS	2023
ABSTRACTS 'MICROWAVES IN SERVICE TO	MAN '	3242
	MAN 'S PHYSIOLOGIC RESPONSE TO LONG-TERM WORK DURING THERMAL AND PO	2916
VING ORGANISMS AND IN PARTICULAR ON	MAN--GENERAL REVUE OF THE LIT	1585
	MAN-MADE EM NOISE IN SOUTHERN CALIF. AND SOUTHERN NEV	0987
FREQUENCY DEPENDENCE OF INCIDENTIAL	MAN-MADE HF/VHF NOISE IN METROPOLITAN AREAS	3179
	MAN-MADE NOISE, REPORT TO TECHNICAL COMMITTEE OF THE ADVISORY COMM	2956
AVE RADIATION LEVELS RESULTING FROM	MAN-MADE SOURCES IN THE WASHINGTON, D.C., AREA	0913
SORPTION IN A MULTILAYERED MODEL OF	MAN	0127
IONAL CORRELATES OF INDUCED PAIN IN	MAN	0138
RPTION OF ELECTROMAGNETIC ENERGY BY	MAN	0153
ASUREMENTS OF A FULL-SCALE MODEL OF	MAN	0432
REGULATION OF BODY TEMPERATURE IN	MAN	2914
MICROWAVE AND	MAN : THE DIRECT AND INDIRECT HAZARDS, AND THE PRECAUTIONS	2140
MAGNETIC FIELDS AND	MAN : WHERE DO WE STAND TODAY?	2098
ROWAVES: THE RESULTS OF A SURVEY IN	MANCHESTER	0298
BUTION OF IRON, COPPER, MOLYBDENUM,	MANGANESE , AND NICKEL IN THE ORGANS OF A BODY EXPOSED TO INDUSTRIA	2806
E BALANCE AND METABOLISM OF COPPER,	MANGANESE , MOLYDENUM, AND NICKEL IN THE ORGANISM OF EXPERIMENTAL A	1505
PHENOMENA ('EFFECTS') AND CLINICAL	MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATI	0483
PHENOMENA ('EFFECTS') AND CLINICAL	MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATI	0484
PHENOMENA ('EFFECTS') AND CLINICAL	MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATI	3144
D BIOLOGICAL PHENOMENA AND CLINICAL	MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATI	3595
PHENOMENA ('EFFECTS') AND CLINICAL	MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATI	3622
CLINICAL	MANIFESTATIONS OF REACTIONS TO MICROWAVE IRRADIATION IN VARIOUS OC	0885
D BIOLOGICAL PHENOMENA AND CLINICAL	MANIFESTINGS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION	3594
ILITY OF THE BLOOD-BRAIN BARRIER TO	MANNITOL IN THE RAT FOLLOWING 2450 MHZ MICROWAVE IRRADIATION	0313

ING TO CONTROL INSECTS IN CIGARETTE	MANUFACTURE	1801
FIELD	MAPPING OF CW FACILITY	3537
	MAPPING OF FREE SPACE AND SCATTERED FIELDS IN MICROWAVE DIATHERMY	2212
FREE-SPACE ELECTRIC FIELD	MAPPING OF MICROWAVE DIATHERMY APPLICATORS	0033
	MAPPING OF MICROWAVE POWER TRANSMITTED THROUGH THE HUMAN THORAX	0290
	MAPPING OF THE NEAR-FIELD PATTERN IN SIMULATED BIOLOGICAL TISSUES	0145
HOW BIRDS FOLLOW INVISIBLE	MAPS	2080
UENCY ELECTRICAL CURRENT ON VARIOUS	MARINE ANIMALS	0864
UENCY ELECTRICAL CURRENT ON VARIOUS	MARINE ANIMALS	3276
	MARINE ELECTRIC FIELDS AND FISH ORIENTATION	0336
MEASUREMENT OF POWER DENSITY FROM	MARINE RADAR	0757
	MARINE RADAR HELP OR HAZARD ?	0073
OF MICROWAVE RADIATION ON THE BONE	MARROW	1279
BONE	MARROW APLASIA (IN RUSSIAN)	0720
W-FREQUENCY MAGNETIC FIELDS ON BONE	MARROW CELL DIVISION	0437
ON AND THE CIRCADIAN RHYTHM OF BONE	MARROW CELL MITOSIS	1814
F RADIATION DOSE TO THE ACTIVE BONE	MARROW FROM DIAGNOSTIC X-RAY EXAMINATIONS	3083
RESTORATIVE PROCESSES IN BONE	MARROW IN RESPONSE TO SUPER-HIGH FREQUENCY RADIATION	1484
LIMETER-BAND MICROWAVES ON THE BONE	MARROW OF MICE	2301
MOUSE BONE	MARROW REACTION TO ALTERED UHF MILLIMETER IRRADIATION PARAMETRIC V	1485
IN MEASURING X-RAY TUBE CURRENT AND	MAS	0630
BAR MAGNETS	MASK THE EFFECT OF NORMAL MAGNETIC DISTURBANCES ON PIGEON ORENTATI	0169
N SMALL ANIMALS: THE EFFECT OF BODY	MASS AND EXPOSURE GEOMETRY	2736
MECHANICAL	MASSAGE WITH ELECTRICAL FIELD: A NEW COMBINATION THERAPY (IN GERMA	2144
UENCE OF EM RADIATION ON BIOLOGICAL	MATERIAL	0569
CROWAVE AND RF ENERGY ON BIOLOGICAL	MATERIAL	0777
MPERATURE IN RADIO-FREQUENCY-HEATED	MATERIAL	1649
BACKGROUND	MATERIAL FOR THE DEVELOPMENT OF RADIATION PROTECTION STANDARDS	3546
THE ELECTRIC-FIELD PROBE NEAR A	MATERIAL INTERFACE WITH APPLICATION TO THE PROBING OF FIELDS IN BI	0093
SENSITIVITY OF SOME PLANT	MATERIAL TO MAGNETIC FIELDS	1900
TRANSIENT RADIATION WITH BIOLOGICAL	MATERIALS	0900
ALIAN AUDITORY SYSTEMS AND PHYSICAL	MATERIALS	1072
MEASUREMENT OF FIELDS IN BIOLOGICAL	MATERIALS	1144
S OF NON-IONIZING EMR ON BIOLOGICAL	MATERIALS	1222
NG THE INTERIOR FIELD OF BIOLOGICAL	MATERIALS	1235
RED ELECTRICAL PROPERTIES OF TISSUE	MATERIALS	1293
EFFECTS OF MICROWAVES ON BIOLOGICAL	MATERIALS	1472
GNETIC INTERACTIONS WITH BIOLOGICAL	MATERIALS	3232
MEASUREMENT OF RF-PROPERTIES OF	MATERIALS - A SURVEY	3313
UNDERSTANDING MICROWAVE ABSORBING	MATERIALS AND ANECHOIC CHAMBERS PART 2	3351
UNDERSTANDING MICROWAVE ABSORBING	MATERIALS AND ANECHOIC CHAMBERS PART 3	3350
UNDERSTANDING MICROWAVE ABSORBING	MATERIALS AND ANECOHIC CHAMBERS, PARTS I THRU IV	3306
DIELECTRIC	MATERIALS AND APPLICATIONS V. TABLES OF DIELECTRIC MATERIALS	3258
INFRARED EMITTANCE OF EM PHANTOM	MATERIALS AND INFRARED TRANSMITTANCE OF POLYETHYLENE	2669
DIELECTRIC PROPERTIES OF BIOLOGICAL	MATERIALS AND INTERACTION OF MICROWAVE FIELDS AT THE CELLULAR AND	0873
MAGNETIC WAVE EFFECTS IN BIOLOGICAL	MATERIALS AND SYSTEMS	3215
DIELECTRIC PROPERTIES OF BIOLOGICAL	MATERIALS AND THE ACTION OF ENZYMES	1736
COMPLEX PERMITTIVITY OF CONDUCTIVE	MATERIALS AT MICROWAVE FREQUENCIES	3141
MEASUREMENTS OF	MATERIALS AT ULTRAHIGH FREQUENCIES	3342
DIELECTRIC PROPERTIES OF	MATERIALS FOR MICROWAVE PROCESSING-TABULATED	3259
	MATERIALS FOR SELECTIVE TISSUE HEATING IN A RADIOFREQUENCY EM FIEL	1240
LEX DIELECTRIC CONSTANT OF BIOLOGIC	MATERIALS IN THE MICROWAVE BAND	0883
SHIELDING EFFECT OF	MATERIALS IN THE ULF, ELF AND VLF REGION	1183
E GENERATION OF ACOUSTIC SIGNALS IN	MATERIALS IRRADIATED WITH MICROWAVE PULSES--A THEORETICAL ANALYSI	2441
ME DOMAIN METROLOGY ABOVE 10 GHZ TO	MATERIALS MEASUREMENTS	0037
BATION EFFECT OF ANIMAL RESTRAINING	MATERIALS ON MICROWAVE EXPOSURE	1610
NTHERMAL EFFECTS IN HIGH DIELECTRIC	MATERIALS TO MICROWAVE DOSIMETRY	1747
TERMINE THE COMPLEX PERMITTIVITY OF	MATERIALS TO TEMPERATURES EXCEEDING 2000 DEGREE C	3341
TTERING OF MICROWAVES BY DIELECTRIC	MATERIALS USED IN LAB. ANIMAL RESTRAINERS	1242
MEASUREMENTS OF	MATERIALS WITH HIGH DIELECTRIC CONSTANT AND CONDUCTIVITY AT ULTRAH	3338
MEASUREMENTS OF DIELECTRIC	MATERIALS WITH THE PRECISON SLOTTED LINE	3347
PPLICATIONS V. TABLES OF DIELECTRIC	MATERIALS	3258
TROMAGNETIC RADIATION ON BIOLOGICAL	MATERIALS : REPORT ON A WORKSHOP HELD OCTOBER 7-8, 1971	3024
EFFECT OF DIAGNOSTIC ULTRASOUND ON	MATERNAL AND FETAL CHROMOSOMES	2938
VITY AND FETAL DETERIORATION DURING	MATERNAL HYPERTHERMIA	2866

USE OF	MATHEMATICAL MODELS IN NONIONIZING RADIATION RESEARCH	3598
	MATHEMATICS OF INTERACTION BETWEEN BLOOD AND EM FIELDS	1655
RIC FIELD IN THE VOLUME OF BIOLOGIC	MATTER DURING THAWING IN UHF FIELD. (IN RUSSIAN)	0276
CAL STIMULATION OF THE CENTRAL GRAY	MATTER IN HUMANS AND ITS REVERSAL BY NALOXONE	2858
MAGNETISM: ITS EFFECT ON LIVING	MATTER--A BIBLIOGRAPHY	2113
	MATURATION AND OPEN-FIELD BEHAVIOR IN RATS EXPOSED PRENATALLY TO A	0787
OF MICROWAVE EXPOSURE ON FUNCTIONAL	MATURATION OF THE RAT	2706
THE	MATURING OF EMR HAZARD INSTRUMENTS	0126
	MAXIMUM ADMISSIBLE VALUES OF HF AND UHF EMR AT WORK PLACES IN CZEC	1544
	MAXIMUM FLUX DENSITY OF THE POWER FROM A BROADCAST SATELLITE IN TH	2323
TH PT ELECTRODES: II--ESTIMATION OF	MAXIMUM SURFACE REDOX (THEORETICAL NON-GASSING) LIMITS	0973
METABOLISM IN THE YELLOW	MEALWORM , TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE), FOLLOWING	0493
TIONING STIMULATION AS AN ANALGESIC	MEASURE IN CHRONIC PAIN	0143
	MEASURE OF ENZYMATIC ACTIVITY COINCIDENT WITH 2450 MHZ MICROWAVE E	1323
VARIATIONS BETWEEN	MEASURED AND BIOLOGICALLY EFFECTIVE MICROWAVE DIATHERMY DOSAGE	3368
ERM CONTROL OF MYOCARDIAL THRESHOLD	MEASURED BY MEANS OF A RADIOFREQUENCY SYSTEM (RADIOCOR) DESIGNED F	2078
: CENTRAL-NERVOUS-SYSTEM EFFECTS AS	MEASURED BY REACTION TIME	1752
CENTRAL-NERVOUS-SYSTEM EFFECTS AS	MEASURED BY REACTION TIME IN SQUIRREL MONKEYS EXPOSED FOR SHORT PE	1297
	MEASURED EFFECTS OF SQUARE-WAVE MODULATED RF FIELDS (450 AND 3100	1289
FIELDS ON PHANTOM MODELS OF MAN AND	MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIALS	1293
RADIO NOISE FROM TOWNS:	MEASURED FROM AN AIRPLANE	3125
BODY CURRENTS	MEASURED IN LIVE LINE WORK	3100
A MICROWAVE DOSIMETRY SYSTEM FOR	MEASURED SAMPLED INTEGRAL-DOSE RATE	0805
STRIBUTION IN TISSUE SPHERES DUE TO	MEASURED SPECTRA OF ELECTROMAGNETIC PLANE WAVE	3601
STRIBUTION IN TISSUE SPHERES DUE TO	MEASURED SPECTRA OF EM PLANE WAVE	1028
ELECTRICAL PROPERTIES	MEASURED WITH ALTERNATING CURRENTS: BODY TISSUES	3381
HEPATIC BLOOD FLOW	MEASUREMENT	1844
AND INTERFERENCES: METHOD OF THEIR	MEASUREMENT	3593
CALIZED HYPERTHERMIA PRODUCTION AND	MEASUREMENT (IN FRENCH)	0357
	MEASUREMENT AND ANALYSIS OF RADIO FREQUENCY NOISE IN URBAN, SUBURB	3611
USS TECHNICAL CONSIDERATIONS IN THE	MEASUREMENT AND EVALUATION OF RADIATION EMISSIONS FROM MICROWAVE O	3053
NONIONIZING RADIATION	MEASUREMENT CAPABILITIES: STATE AND FEDERAL AGENCIES	0755
A SYSTEM FOR CHRONIC BLOOD PRESSURE	MEASUREMENT IN DOGS EXPOSED TO EXTREMELY LOW FREQUENCY ELECTRIC FI	0865
NON-PERTURBING MICROPROBES FOR	MEASUREMENT IN EM FIELDS	1142
TEMPERATURE	MEASUREMENT IN MICROWAVE DIATHERMY FIELDS: PRINCIPLES AND PROBES	2459
MOLECULAR STRUCTURE IN LIQUIDS IX.	MEASUREMENT IN ORGANIC HALIDES AT 10-CM WAVELENGTHS	3344
DIO-FREQUENCY POWER AND TEMPERATURE	MEASUREMENT IN TISSUE DURING IRRADIATION	1103
PERFORMANCE OF X-RAY	MEASUREMENT INSTRUMENTS WHEN SUB- JECTED TO ENVIRONMENTAL LEVEL RF	0418
DIELECTRIC	MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQENCIES	3334
DIELECTRIC	MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQUENCIES	3463
	MEASUREMENT OF ABSORBED POWER PATTERNS IN THE HEAD AND EYES OF RAB	1864
	MEASUREMENT OF ATTENUATION AND LOSS	3345
EXTERNAL FIELD EM	MEASUREMENT OF BLOOD FLOW	0752
AN RF DECOUPLED ELECTRODE FOR	MEASUREMENT OF BRAIN TEMPERATURE DURING MICROWAVE EXPOSURE	2383
THE	MEASUREMENT OF CAMP AND CGMP IN MICROWAVE IRRADIATED CHEST AND HEA	0087
	MEASUREMENT OF COMPLEX PERMITTIVITY OF LIQUIDS AT FREQUENCIES FROM	3231
	MEASUREMENT OF COMPLEX PERMITTIVITY OF LIQUIDS AT MICROWAVE FREQUE	3290
RAPID	MEASUREMENT OF DIELECTRIC CONSTANT AND LOSS TANGENT	3446
	MEASUREMENT OF ELECTRIC AND MAGNETIC FIELD STRENGTHS FROM INDUSTRI	2210
THE	MEASUREMENT OF ELECTRIC FIELDS IN LIVE LINE WORKING	0970
	MEASUREMENT OF ELECTRIC- AND MAGNETIC-FIELD STRENGTHS FROM INDUSTR	0402
	MEASUREMENT OF ELECTROMAGNETIC FIELD IMMUNITY	2617
COMPLETE	MEASUREMENT OF EM FIELDS WITH ELECTRO-OPTICAL CRYSTALS	2206
IBEROPTIC TEMPERATURE PROBE FOR THE	MEASUREMENT OF EM POWER ABSORPTION IN TISSUE	1749
	MEASUREMENT OF EMR LEVELS FROM SELECTED TRANSMITTERS OPERATING BET	2802
RECOMMENDED PRACTICE FOR	MEASUREMENT OF FIELD INTENSITY ABOVE 300 MC FROM RADIO-FREQUENCY I	3518
PASSIVE TELEMETRY FOR IN VIVO	MEASUREMENT OF FIELDS IN BIOLOGICAL MATERIALS	1144
OPMENTS ON THE CHARACTERIZATION AND	MEASUREMENT OF HAZARDOUS EM FIELDS	0879
THIN FILM SPHERICAL BOLOMETER FOR	MEASUREMENT OF HAZARDOUS FIELD INTENSITIES FROM 0.4 TO 40 GHZ	3297
QUANTIFICATION AND	MEASUREMENT OF INDUCED FIELDS INSIDE FINITE BIOLOGICAL BODIES	2187
DEVICE FOR THE	MEASUREMENT OF INDUSTRIAL FREQUENCY ELECTRIC FIELD INTENSITY	1935
	MEASUREMENT OF INHOMOGENEOUS MAGNETIC FIELDS	3312
OF THE 'THIN-SAMPLE METHOD' FOR THE	MEASUREMENT OF INITIAL COMPLEX PERMEABILITY AND PERMITTIVITY	3337
QUANTIFICATION &	MEASUREMENT OF INTERNAL ELECTRO- MAGNETIC FIELDS INDUCED IN FINITE	0137
A RESONANCE METHOD FOR	MEASUREMENT OF LARGE DIELECTRIC CONSTANT WITH SMALL LOSS	3288

YSTALS AND THEIR APPLICATION TO THE	MEASUREMENT OF MICROWAVE AND INFRARED RADIATION	3547
ACCURATE	MEASUREMENT OF MICROWAVE FIELDS FOR MEDICAL AND BIOLOGICAL APPLICA	2391
A PYROELECTRIC PROBE FOR	MEASUREMENT OF MICROWAVE POWER DENSITY UNDER FAR-FIELD CONDITIONS	1102
	MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS,	2729
	MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS,	2730
YSTALS AND THEIR APPLICATION TO THE	MEASUREMENT OF MICROWAVES AND INFRARED RADIATION, SEMINAR PAPER NO	3046
THE	MEASUREMENT OF PERMITTIVITY OF HIGH-LOSS LIQUIDS AT MICROWAVE FREQ	3336
	MEASUREMENT OF PERMITTIVITY OF SOLUTION OF SMALL BIOLOGICAL MOLECU	1304
HNIQUES AND INSTRUMENTATION FOR THE	MEASUREMENT OF POTENTIALLY HAZARDOUS EMR AT MICROWAVE FREQUENCIES	0616
	MEASUREMENT OF POWER ABSORBED IN THE TISSUES OF MAN AND ANIMALS EX	2840
THERMOGRAPHIC	MEASUREMENT OF POWER ABSORPTION DENSITIES IN SPHEROIDAL TISSUE STR	1740
	MEASUREMENT OF POWER DENSITY FROM MARINE RADAR	0757
	MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY	1778
	MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY	2190
NONINVASIVE MICROWAVE	MEASUREMENT OF RESPIRATION	1329
A	MEASUREMENT OF RF FIELD INTENSITIES IN THE IMMEDIATE VICINITY OF A	1701
	MEASUREMENT OF RF POWER-ABSORPTION IN BIOLOGICAL SPECIMENS (10 TO	1709
	MEASUREMENT OF RF-PROPERTIES OF MATERIALS - A SURVEY	3313
THEIR LIMITATIONS AS RELATED TO THE	MEASUREMENT OF SMALL REFLECTIONS IN PRECISION COAXIAL TRANSMISSION	3346
	MEASUREMENT OF SOME THERMAL PROPERTIES OF HUMAN TISSUES	3514
THE	MEASUREMENT OF SUBSTATION GROUND RESISTANCE AND ITS USE IN DETERMI	3117
	MEASUREMENT OF THE DIELECTRIC CONSTANT AND LOSS OF SOLIDS AND LIQU	0988
A TIME-DOMAIN TECHNIQUE FOR	MEASUREMENT OF THE DIELECTRIC PROPERTIES OF BIOLOGICAL SUBSTANCES	2836
CAVITY PERTURBATION	MEASUREMENT OF THE EFFECTS OF MICROWAVE RADIATION ON PROTEINS	2295
TEST PROCEDURES FOR	MEASUREMENT OF THE LEVEL OF RF ENERGY FROM VARIOUS DEVICES	1269
	MEASUREMENT OF THE RADAR CROSS SECTION OF A MAN	0556
SUBSURFACE PROBING BY	MEASUREMENT OF THE WAVE TILT OF ELECTROMAGNETIC SURFACE WAVES	3099
FIELD	MEASUREMENT OF ULTRAVIOLET, INFRARED, AND MICROWAVE ENERGIES	0687
MINIATURE, ISOTROPIC ELECTRIC FIELD	MEASUREMENT SYSTEM	1744
AN AUTOMATED	MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FI	1717
AN AUTOMATED	MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FI	3094
DIATHERMY	MEASUREMENT TECHNIQUE	3465
A WIDE RANGE CW POWER	MEASUREMENT TECHNIQUE	3302
DEVELOPMENT OF PROBES AND	MEASUREMENT TECHNIQUES FOR AUTOMATED INTERFERENCE MEASUREMENTS (3	3619
DIELECTRIC PROPERTIES AND	MEASUREMENT TECHNIQUES FOR BIOMOLECULES	1735
NEW	MEASUREMENT TECHNIQUES IN STUDYING THE EFFECT OF SUPERHIGH FREQUEN	3064
PROBLEMS OF POWER	MEASUREMENT USING NON-SQUARE-LAW DETECTORS, (FDA) 72-8004, BRH/DEP	3042
BOUND WATER IN TENDON BY DIELECTRIC	MEASUREMENT	3213
DS OF INDUCING HYPERTHERMIA AND ITS	MEASUREMENT	0339
METROLOGY ABOVE 10 GHZ TO MATERIALS	MEASUREMENTS	0037
EPENDENT TEMPERATURE AND EMISSIVITY	MEASUREMENTS	0255
ING TIME ON MICROWAVE POWER DENSITY	MEASUREMENTS	0614
THE ABC'S OF BIOELECTRIC	MEASUREMENTS	1337
MICROWAVE ABSORPTION	MEASUREMENTS	1470
ENGINEERING CONSIDERATIONS AND	MEASUREMENTS	1601
RA-BROADBAND PROBE FOR RF RADIATION	MEASUREMENTS	2279
C PROBE FOR MICROWAVE POWER DENSITY	MEASUREMENTS	2437
AVE EXPOSURE ARRAY: IMPROVED FIELD	MEASUREMENTS	2615
ERENCE OF PRECISION ELECTROMAGNETIC	MEASUREMENTS	2974
MICROWAVE DIELECTRIC	MEASUREMENTS	3462
FIELD STRENGTH	MEASUREMENTS	3496
PHERE DETERMINED BY SCATTERED FIELD	MEASUREMENTS	3563
CHNIQUES FOR AUTOMATED INTERFERENCE	MEASUREMENTS (3 TO 300 MEGAHERTZ) IN SHIELDED CHAMBERS	3619
	MEASUREMENTS AND A SIMPLIFIED INTERPRETATION OF MAGNETOCARDIOGRAMS	2102
FIELD	MEASUREMENTS AND CALCULATIONS OF ELECTROSTATIC EFFECTS OF OVERHEAD	1006
FIELD	MEASUREMENTS AND CALCULATIONS OF ELECTROSTATIC EFFECTS OF OVERHEAD	3617
LOW FREQUENCIES, MOTILE CELLS,	MEASUREMENTS AND MODELS, PART I (THE EFFECTS OF LOW FREQUENCY ELEC	0636
MICROWAVE	MEASUREMENTS AND NEW TYPES OF DETECTORS FOR EVALUATION OF HEALTH H	0580
REPORT ON THE ANALYSIS OF	MEASUREMENTS AND OBSERVATIONS, NEW YORK CITY UHF-TV PROJECT	3522
THERMAL CONDUCTIVITY	MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL FLUIDS AND TISSUES	3542
MICROWAVE ATTENUATION	MEASUREMENTS AND STANDARDS	3571
OF PROTEIN HYDRATION BY DIELECTRIC	MEASUREMENTS AT MICROWAVE FREQUENCIES	0489
ABSOLUTE GAIN	MEASUREMENTS FOR HORN ANTENNAS	3291
	MEASUREMENTS FOR RADIATION SAFETY	1659
CE AND COMPATIBILITY MONITORING AND	MEASUREMENTS FOR UHF SATELLITE EARTH TERMINALS	3510

COAXIAL CELL FOR LIQUID DIELECTRIC	MEASUREMENTS FROM 300 TO 9000 MHZ	3339
ONPERTURBING TEMPERATURE SENSOR FOR	MEASUREMENTS IN EM FIELDS	1819
RF MEASUREMENTS OR POWER ABSORPTION	MEASUREMENTS IN HF FIELDS	2400
MICROWAVE ENERGY DISTRIBUTION	MEASUREMENTS IN PROXIMITY TO MAN AND THEIR PRACTICAL APPLICATION	1098
BIOLOGICAL	MEASUREMENTS IN RODENTS EXPOSED CONTINUOUSLY THROUGHOUT THEIR ADUL	1167
RF FIELD INTENSITY	MEASUREMENTS IN SELECTED BROADCAST FACILITES	1643
MMENDED GUIDE FOR MAKING DIELECTRIC	MEASUREMENTS IN THE FIELD	3517
POWER DENSITY	MEASUREMENTS IN THE NEAR FIELDS	1149
MICROWAVE RADIATION-PATTERN	MEASUREMENTS IN THE PRESENCE OF BIOLOGICAL SPECIMENS	0442
OXIDANT	MEASUREMENTS IN THE VICINITY OF ENERGIZED 765 KV LINES	3014
RF PULSE SPECTRAL	MEASUREMENTS IN THE VICINITY OF SEVERAL AIR TRAFFIC CONTROL RADARS	0629
ELF FIELD STRENGTH	MEASUREMENTS MADE IN CONNECTICUT DURING 1974	3138
PANEL DISCUSSION I: MICROWAVE	MEASUREMENTS METHODS AND STANDARDS FOR BIOLOGICAL RESEARCH AND HAZ	1550
MICROWAVE HAZARD	MEASUREMENTS NEAR VARIOUS AIRCRAFT RADARS	0779
	MEASUREMENTS OF 1.8--2.7-GHZ MICROWAVE ATTENUATION IN THE HUMAN TO	2538
IES: FAR-FIELD MICROWAVE DOSIMETRIC	MEASUREMENTS OF A FULL-SCALE MODEL OF MAN	0432
EMPERATURE AND MICROWAVE PROPERTIES	MEASUREMENTS OF BIOLOGICAL SUBSTANCES	2410
	MEASUREMENTS OF CONTRACTION LATENCIES TO MECHANICAL AND ELECTRICAL	2475
	MEASUREMENTS OF DIELECTRIC MATERIALS WITH THE PRECISON SLOTTED LIN	3347
BROADBAND	MEASUREMENTS OF DIELECTRIC PROPERTIES	2664
	MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA I--F	2995
	MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA II--	2996
RESULTS OF	MEASUREMENTS OF ELECTRIC FIELD STRENGTH NEAR A 765 KV OVERHEAD POW	3558
PRELIMINARY IN-VIVO PROBE	MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN MICE	2455
	MEASUREMENTS OF ELECTROMAGNETIC FIELDS IN THE CLOSE PROXIMITY OF C	0028
ENT CRYSTAL OPTICAL THERMOMETER FOR	MEASUREMENTS OF ELECTROMAGNETICALLY INDUCED HEATING	2208
REPT. OF PRELIMINARY	MEASUREMENTS OF EM RADIATION FIELDS NEAR MICROWAVE OVENS	0571
ACCURACY LIMITATION IN	MEASUREMENTS OF HF FIELD INTENSITIES FOR PROTECTION AGAINST RADIAT	2835
DIELECTRIC	MEASUREMENTS OF LIQUIDS AT MICROWAVE FREQUENCIES	3467
	MEASUREMENTS OF MATERIALS AT ULTRAHIGH FREQUENCIES	3342
	MEASUREMENTS OF MATERIALS WITH HIGH DIELECTRIC CONSTANT AND CONDUC	3338
	MEASUREMENTS OF MICROWAVE RADIATION	0897
DIELECTRIC	MEASUREMENTS OF NITELLOPSIS OBTUSA CELLS WITH INTRACELLULAR ELECTR	0870
	MEASUREMENTS OF POWER ABSORPTION BY HUMAN PHANTOMS IMMERSED IN RAD	1100
	MEASUREMENTS OF RADIOFREQUENCY FIELD INTENSITY IN BUILDINGS WITH C	0108
NEAR-FIELD	MEASUREMENTS OF RF FIELDS	2666
DISCUSSION OF ERRORS IN GAIN	MEASUREMENTS OF STANDARD ELECTROMAGNETIC HORNS	3568
INTERFEROMETRIC	MEASUREMENTS OF THE COMPLEX DIELECTRIC CONSTANT OF LIQUIDS	3570
ON	MEASUREMENTS OF THE EM FIELDS FOR HYGIENIC PURPOSES	2062
MICROWAVE	MEASUREMENTS OF THE LOSS IN LOW-LOSS DIELECTRICS	3331
	MEASUREMENTS OF THE RADIATION EMISSIONS FROM THE NUVE-LITE DENTAL	3624
MICROWAVE RADIOMETRIC	MEASUREMENTS OF THE TEMPERATURE INSIDE A BODY	2414
	MEASUREMENTS OF THE VLF-NOISE LEVEL (IN GERMAN)	2568
MICROWAVE HALL MOBILITY	MEASUREMENTS ON HEAVY BEEF HEART MITOCHONDRIA	0684
C ANALYSIS OF PROTEIN SYNTHESIS AND	MEASUREMENTS ON NUCLEAR VOLUME IN WISH CELL CULTURES IRRADIATIED W	1328
REQUENCY EM FIELDS BY THERMOGRAPHIC	MEASUREMENTS ON SCALE MODELS	1246
GHOSTS AND WITCHCRAFT IN RF	MEASUREMENTS OR POWER ABSORPTION MEASUREMENTS IN HF FIELDS	2400
THE EPA ENVIRONMENTAL RE RADIATION	MEASUREMENTS PROGRAM	0075
REPORT ON MOBILE FIELD STRENGTH	MEASUREMENTS TAKEN WITH RECEIVING ANTENNA 10 FEET ABOVE GROUND- NE	3524
IMETRY AND EXTERNAL MICROWAVE FIELD	MEASUREMENTS USING MINIATURE ELECTRIC FIELD PROBES	2668
ELECTRIC FIELD	MEASUREMENTS WITHIN BIOLOGICAL MEDIA	2667
FIELD	MEASUREMENTS , ABSORBED DOSE, AND BIOLOGIC DOSIMETRY OF MICROWAVES	1101
ING TIME ON MICROWAVE POWER DENSITY	MEASUREMENTS , BRH/DEP 70-12	3031
THERMAL DOSIMETRY AND TEMPERATURE	MEASUREMENTS	0139
RADIATION PATTERNS FROM NEAR FIELD	MEASUREMENTS	3294
RADIO FREQUENCY POWER	MEASUREMENTS	3296
/OT FREQUENCY MANAGEMENT MEETING ON	MEASUREMENTS / MONITORING, NOTES ON BACKGROUND AND PROPOSED INTERIM	3511
DESIGN CALCULATIONS AND PREVENTIVE	MEASURES	3127
POST-SURGICAL	MEASURES AND COMPARATIVE CLINICAL ANALYSIS OF ORAL TISSUE RESPONSE	2339
PROTECTIVE	MEASURES FOR MICROWAVE RADIATION HAZARDS: 750 TO 30,000 MC	0530
	MEASURES OF PROTECTION, THERAPY AND PROPHYLAXIS TO BE TAKEN DURING	0545
EFFECTS, PROTECTIVE	MEASURES , AND MEDICO-MILITARY ASPECTS IN CONNECTION WITH MICROWAVE	3191
RATION AND USE OF THERMOCOUPLES FOR	MEASURING BODY TEMPERATURE	3457
A NEW METHOD FOR	MEASURING DIELECTRIC CONSTANT AND LOSS IN THE RANGE OF CENTIMETER	3333
METHOD AND APPARATUS FOR	MEASURING EMR	1911

METHODS OF DOSIMETRY AND	MEASURING	IN MICROWAVE FIELDS (IN RUMANIAN)	2722
A DIELECTRIC RESONATOR METHOD OF	MEASURING	INDUCTIVE CAPACITIES IN THE MILLIMETER RANGE	3340
ER TRANSMISSION OF 750-1150 KV: THE	MEASURING	METHODS, THE DESIGN PRACTICES AND DIRECTION OF FURTHER R	3587
NANT LETHAL TEST AND DNA STUDIES IN	MEASURING	MUTAGENICITY CAUSED BY NON-IONIZING RADIATION	2177
STANDING WAVE METHODS FOR	MEASURING	PERMITTIVITIES AT METER AND DECIMETER WACELENGTHS	3536
A NEW TECHNIQUE FOR	MEASURING	POWER DEPOSITION PATTERNS IN PHANTOMS EXPOSED TO EM FIEL	1192
A HOLOGRAPHIC INTERFEROMETER FOR	MEASURING	RADIATION ENERGY DEPOSITION PROFILES IN TRANSPARENT LIQU	3301
ACCURATE MEANS OF	MEASURING	RF-POWER DEVELOPED	3454
A PROBE FOR	MEASURING	TEMPERATURE IN RADIO-FREQUENCY-HEATED MATERIAL	1649
E, PARTIAL-BODY EXPOSURE METHOD FOR	MEASURING	THE COMPLEX PERMITTIVITY OF BIOLOGICAL SUBSTANCES AT MIC	0088
A NEW METHOD FOR	MEASURING	THE COMPLEX PERMITTIVITY OF CONDUCTIVE MATERIALS AT MICR	3141
INSTRUMENTATION TECHNIQUES FOR	MEASURING	THE EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON INSECTS I	1674
AN ELECTRONIC METHOD FOR	MEASURING	THE HEART FREQUENCY OF THE WATERFLEA: DAPHNIA PULEX	1720
SHORT BARE AND INSULATED PROBES FOR	MEASURING	THE LOCAL RADIO FREQUENCY ELECTRIC FIELD IN BIOLOGICAL S	1726
ON	MEASURING	THE RADAR CROSS SECTIONS OF DUCKS AND CHICKENS	3508
	MEASURING	THE STRENGTH OF THE MICROWAVE FIELD IN A CAVITY	3499
ARISON OF INSTRUMENT PERFORMANCE IN	MEASURING	X-RAY TUBE CURRENT AND MAS	0630
ALIS AND LACTOBACILLUS PLANTARUM IN	MEAT	TISSUE	2693
THE EFFECT OF	MEAT	TREATED WITH SUPER-HIGH FREQUENCY ENERGY INFRARED RAYS ON THE	2701
STRUCTION OF SALMONELLAE ON POULTRY	MEAT	WITH LYSOZYME, EDTA, X-RAY, MICROWAVE AND CHLORINE	1324
L'IRRADIATION HYPERFREQUENCE SUR LE	MECANISME	DE TANNAGE CHEZ TENEBRIO MOLITOR COLEPTERE	2432
REMENTS OF CONTRACTION LATENCIES TO	MECHANICAL	AND ELECTRICAL STIMULATION OF THE PROTOZOAN, SPIROSTOMU	2475
	MECHANICAL	EFFECTS OF AC FIELDS ON PARTICLES DISPERSED IN A LIQUID	3054
	MECHANICAL	MASSAGE WITH ELECTRICAL FIELD: A NEW COMBINATION THERAP	2144
CHANGES PRODUCED BY ELECTRICAL AND	MECHANICAL	PERTURBATIONS	2777
OF A HYPOTHESIZED MICROWAVE HEARING	MECHANISM		0302
A	MECHANISM	FOR HIGH-FREQUENCY ELECTROMAGNETICAL FIELD-INDUCED BIOLO	0262
A PHYSIOCHEMICAL	MECHANISM	FOR MAGNETIC FIELD DETECTION BY MIGRATORY BIRDS AND HOMI	2511
SUPERCONDUCTIVITY–A POSSIBLE	MECHANISM	FOR NON-THERMAL BIOLOGICAL EFFECTS OF MICROWAVES	0665
A DIRECT	MECHANISM	FOR THE INFLUENCE OF MICROWAVE RADIATION ON NEUROELECTRI	2559
THE	MECHANISM	OF ABSORPTION OF UHF EM ENERGY IN TISSUES, AS RELATED TO	0558
CENTRAL	MECHANISM	OF ACTION OF ELECTROMAGNETIC FIELDS	2492
SOME ASPECTS OF THE	MECHANISM	OF ACTION OF PULSED CURRENTS (ACCORDING TO THE METHOD OF	3427
PYOTHESIS CONCERNING THE ABSORPTION	MECHANISM	OF ATMOSPHERICS IN THE NERVOUS SYSTEM	2126
	MECHANISM	OF CHARACTERISTIC BEHAVIOUR OF CELLS IN AN ALTERNATING E	0563
	MECHANISM	OF ELECTRICAL STIMULATION OF BONE FORMATION	2242
	MECHANISM	OF INTERACTION OF ALTERNATING ELECTRICAL FIELD OF INDUST	3411
	MECHANISM	OF LETHAL ACTION OF 2450-MHZ RADIATION ON MICROORGANISMS	0196
ON THE	MECHANISM	OF MAGNETIC FIELD EFFECTS IN BACTERIAL PHOTOSYNTHESIS	0151
	MECHANISM	OF MICROWAVE CATARACTOGENESIS IN RABBITS	2150
	MECHANISM	OF REACTION OF THE HYPOPHYSEO-ADRENAL SYSTEM ON STRESS A	2077
THE	MECHANISM	OF THE BIOLOGICAL EFFECT OF CONSTANT MAGNETIC FIELDS	2489
THE	MECHANISM	UNDERLYING THE BIOLOGICAL ACTION OF A PULSED MAGNETIC FI	1375
IATION ON TISSUE–A SURVEY OF BASIC	MECHANISMS		0820
RISON OF SOME POSSIBLE TRANSDUCTION	MECHANISMS		0839
A STUDY OF MICROWAVE CATARACTOGENIC	MECHANISMS		1068
MODULATED, EM ENERGY: A SEARCH FOR	MECHANISMS		1135
CONTROL	MECHANISMS	AND THE ACTION OF WEAK ELECTRIC CURRENTS IN THE ACCELER	1825
POSSIBLE	MECHANISMS	BEHIND THE BIOEFFECTS OF LOW FRE- QUENCY ELECTROMAGNETI	0441
MOLECULAR	MECHANISMS	FOR MICROWAVE ABSORPTION IN BIOLOGICAL SYSTEMS	1535
POSSIBLE	MECHANISMS	FOR THE BIOMOLECULAR ABSORPTION OF MICROWAVE RADIATION	1022
FUNDAMENTAL	MECHANISMS	IN COMBINED MODALITY THERAPY OF CANCER	1211
FIELD-INDUCED TRANSPORT	MECHANISMS	IN HYDROXYAPATITE	2231
EVIDENCE FOR COOPERATIVE	MECHANISMS	IN THE SUSCEPTIBILITY OF CEREBRAL TISSUE TO ENVIRONMENT	1383
PULSED AND CONTINUOUS EM FIELDS AND	MECHANISMS	OF EFFECT	1052
TOR OF SELECTIVE INFLUENCE UPON THE	MECHANISMS	OF GOAL-ORIENTED BEHAVIOR IN ANIMALS	2082
CURRENT VIEWS ON	MECHANISMS	OF INTERACTION OF MICROWAVE AND RADIOFREQUENCY RADIATIO	2476
PHYSICOCHEMICAL	MECHANISMS	OF THE BIOLOGICAL ACTIVITY OF MICROWAVES	2807
TWO POSSIBLE	MECHANISMS	OF THE EFFECT OF MICROWAVES ON HEMOGLOBIN	2308
	MECHANISMS	OF THE EFFECT OF STATIONARY MAGNETIC FIELD ON INDUCED C	2594
BARRIER	MECHANISMS	OF THE NEUROGLIA IN THE PROCESS OF INHIBITION UNDER THE	1990
OUTLOOK FOR STUDY OF THE	MECHANISMS	OF THE NONTHERMAL EFFECTS OF MILLIMETER- AND SUBMILLIME	2307
ATOMIC AND MOLECULAR	MECHANISMS	UNDERLYING BIOLOGICAL INTERACTION WITH EM RADIATION	2425
CBA/N MICE, PART II: STUDIES OF THE	MECHANISMS	UNDERLYING THE IMMUNE DEFECT	0946
ECTRICAL PROPERTIES AND BIOPHYSICAL	MECHANISMS		0393

IATION ON TISSUE- A SURVEY OF BASIC	MECHANISMS	3204
LDS AND BIOLOGIC SYSTEMS: MOLECULAR	MECHANISMS	3269
IPLINARY APPROACHES IN ELECTRICALLY	MEDIATED BONE GROWTH STUDIES	2240
T-AND B-LYMPHOCYTE LEVELS AND CELL-	MEDIATED IMMUNOCOMPETENCE BY HYPERTHERMIC RADIATION	0171
PHYCHOGENIC STRESSORS ARE POTENT	MEDIATORS OF THE THERMAL RESPONSE TO MICROWAVE IRRADIATION	1251
MICROWAVES--A TOOL IN	MEDICAL AND BIOLOGIC RESEARCH	0893
MEASUREMENT OF MICROWAVE FIELDS FOR	MEDICAL AND BIOLOGICAL APPLICATIONS	2391
MICROWAVES IN	MEDICAL AND BIOLOGICAL RESEARCH	0549
RANGE RADIOWAVES AND THEIR POSSIBLE	MEDICAL APPLICATIONS	0091
ELECTROMAGNETIC ENERGY COUPLER FOR	MEDICAL APPLICATIONS	0305
BIOLOGICAL AND	MEDICAL ASPECTS OF MICROWAVES	1114
AL TELEMETRY STANDARD FOR EMERGENCY	MEDICAL COMMUNICATIONS	1427
	MEDICAL CONSIDERATIONS OF EXPOSURE TO MICROWAVES (RADAR)	0604
	MEDICAL CONSIDERATIONS OF EXPOSURE TO MICROWAVES (RADAR)	1570
	MEDICAL CONTROL OF MEN WORKING WITHIN EM FIELDS	1590
ELECTROMAGNETIC TECHNIQUES FOR	MEDICAL DIAGNOSIS: A REVIEW	0391
	MEDICAL DIAGNOSTIC APPLICATIONS OF MICROWAVE RADIATION	1191
STUDY IN THE USSR OF	MEDICAL EFFECTS OF ELECTRIC FIELDS ON ELECTRIC POWER SYSTEMS	3156
PROBLEMS IN THE STANDARDISATION OF	MEDICAL ELECTRICAL EQUIPMENT	2309
AN EMC STANDARD FOR	MEDICAL ELECTRONIC DEVICES	2831
HAZARDOUS EM INTERACTION WITH	MEDICAL ELECTRONICS	2287
REQUENCY INDUSTRIAL, SCIENTIFIC AND	MEDICAL EQUIPMENTS	3518
	MEDICAL EVALUATION OF MAN WORKING IN AC ELECTRIC FIELDS	2023
	MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELEC	1015
	MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELEC	3012
CRYOMAGNETIC AND OTHER REMOTE	MEDICAL MONITORING TECHNIQUES: A REVIEW	2726
DESIGN EFFECTIVENESS IN ELECTRONIC	MEDICAL PROSTHETIC DEVICES	0642
LISHED AT THE NEW ENGLAND INST. FOR	MEDICAL RESEARCH	1471
THE CONTINUING	MEDICAL SURVEILLANCE OF PERSONNEL EXPOSED TO EXTREMELY LOW FREQUEN	1214
OCULAR	MEDICAL SURVEILLANCE ON MICROWAVE AND LASER WORKERS	2112
	MEDICAL WORKING GROUP SUMMARY	0316
A	MEDICAL X-RAY SURVEY PACKET	2958
OF MICROWAVE RADIATION IN PULMONARY	MEDICINE	2202
IOLOGICAL RHYTHMS IN PSYCHIATRY AND	MEDICINE	2957
O WAVES AND POSSIBLE USE THEREOF IN	MEDICINE	0208
THE BIOPHYSICAL BASIS OF PHYSICAL	MEDICINE	3325
PHYSICAL	MEDICINE : DIATHERMY: MICROWAVE	3375
TENTIAL APPLICATIONS IN BIOLOGY AND	MEDICINE : EXPERIMENTAL STUDIES	1614
EFFECTS, PROTECTIVE MEASURES, AND	MEDICO-MILITARY ASPECTS IN CONNECTION WITH MICROWAVES	3191
	MEDICO-SOCIAL ASPECTS OF LABOR PERFORMED WITHIN THE RANGE OF EM HI	2018
ECT OF A MAGNETIC FIELD ON NUTRIENT	MEDIUM COMPOSITION AND TOXIN PRODUCTION BY CI PERFRINGENS, TYPE D	2482
HYGIENIC EVALUATIONS OF THE	MEDIUM WAVE RANGE EM FIELD IN CONDITIONS OF POPULATED AREAS	1509
URSE OF HEAT TREATMENT OF METALS BY	MEDIUM- HIGH-FREQUENCY CURRENTS (IN RUM)	3409
CY (ELF) EMR AS A BIOCOMMUNICATIONS	MEDIUM : A PROTEIN TRANSRECEIVER SYSTEM	1670
THE FUNCTIONAL STATE OF THE ADRENAL	MEDULLA	1448
THE EFFECTS OF 19	MEGACYCLE IRRADIATION ON MICE AND RATS	2181
THERMAL EFFECTS OF 200	MEGACYCLE (CW) IRRADIATION AS RELATED TO SHAPE, LOCATION AND ORIENT	3316
ED TO MICROWAVE RADIATION OF 24,000	MEGACYCLES	0469
ES ON THE BIOLOGICAL EFFECTS OF 200	MEGACYCLES	1469
TAL ANIMALS TO MICROWAVES AT 24,000	MEGACYCLES	1474
ES ON THE BIOLOGICAL EFFECTS OF 200	MEGACYCLES	1576
TS OF MICROWAVE RADIATION OF 24,000	MEGACYCLES	2136
PROPAGATION AT FREQUENCIES ABOVE 30	MEGACYCLES	3490
ROWAVES AT FREQUENCIES 2456 NAD 900	MEGACYCLES	3544
UCED BY MICROWAVES AT 2,456 AND 900	MEGACYCLES IN GEOMETRICALLY COMPLEX SPECIMENS	3328
RGY AT FREQUENCIES OF 2,450 AND 900	MEGACYCLES	3329
PRELIMINARY CLINICAL RESULTS OF 433	MEGAHERTZ MICROWAVE THERAPY AND RADIATION THERAPY ON PATIENTS WITH	2336
INTERFERENCE MEASUREMENTS (3 TO 300	MEGAHERTZ) IN SHIELDED CHAMBERS	3619
RONIC CONTRIBUTIONS TO SWITCHING IN	MELANINS	1616
ION OF MICROWAVE RAD. IN DROSOPHILA	MELANOGASTER	0368
INDUCE GENETIC DAMAGE IN DROSOPHILA	MELANOGASTER	1168
CT OF ELF EM FIELDS UPON DROSOPHILA	MELANOGASTER	1770
ES AND GENETIC DAMAGE IN DROSOPHILA	MELANOGASTER	3621
NETIC FIELD EXPOSURES OF DROSOPHILA	MELANOGASTER AND PELVETIA FASTIGIATA	2563
REPRODUCTIVE CAPACITY OF DROSOPHILA	MELANOGASTER	2925

HERAPY EXPERIMENTS WITH B-16 MURINE	MELANOMA	1963
CURRENTS AND GAMMA-RAYS TO CULTURED	MELANOMA CELLS	1281
E RESPONSE OF AN AMELANOTIC HAMSTER	MELANOMA TO VARIOUS TREATMENT MODALITIES UTILIZING X-RAYS AND HYPE	2363
ROLE OF SURFACE DIPOLES ON AXON	MEMBRANE	0659
CEPTORS ALONG EMBRYONIC MUSCLE CELL	MEMBRANE	1837
E REACTIVITY OF THE CHORIOALIANTOIC	MEMBRANE	2016
NTROLLED SIZES IN HUMAN ERYTHROCYTE	MEMBRANE	2297
OME DIELECTRIC PROPERTIES OF MUSCLE	MEMBRANE AND THEIR POSSIBLE IMPORTANCE FOR EXCITATION-CONTRACTION	2837
FECT OF ZERO MAGNETIC FIELDS ON THE	MEMBRANE BOUND ENZYME ACTIVITY	2620
HARGE DENSITY OF AN EXCITABLE NERVE	MEMBRANE EXPOSED TO OPTICAL RADIATION	1839
PERMEABILITY OF THE MUCOUS	MEMBRANE OF THE FRONTAL SINUS UNDER THE INFLUENCE OF MICROWAVES	1302
RADIOPHOSPHORUS ACROSS THE SYNOVIAL	MEMBRANE OF THE KNEE JOINT UNDER THE INFLUENCE OF SINUSOIDAL MODUL	2045
ROWAVE IRRADIATION IN VITRO ON CELL	MEMBRANE PERMEABILITY	1256
CHANGES IN THE	MEMBRANE POTENTIAL OF NERVE CELLS OF ISOLATED GANGLIA IN THE MOLLU	1500
INTERACTIONS BETWEEN INTRINSIC	MEMBRANE PROTEIN AND ELECTRIC FIELD	2367
	MEMBRANE-BOUND ATP SYNTHESIS GENERATED BY AN EXTERNAL ELECTRIC FIE	0671
IC CONSTANT AND THE CONDUCTIVITY OF	MEMBRANE-BOUNDED PARTICLES OF BIOLOGICAL RELEVANCE	1934
AVE RADIATION ON CELLS TREATED WITH	MEMBRANE-INJURING SUBSTANCES	2717
NEURONAL	MEMBRANE : A PHYSICAL SYNTHESIS	2611
ERACTION OF EM FIELDS WITH BIOLOGIC	MEMBRANES	1066
AND MICROWAVE FIELDS ON BIOLOGICAL	MEMBRANES	2691
ON FREE ENERGY OF DIFFUSION THROUGH	MEMBRANES AS INFLUENCED BY ELECTRIC FIELDS	0860
OF ALAMETICIN-MODIFIED PHOSPHOLIPID	MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN	0002
PHOSPHOLIPID	MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN	3433
MODELS OF	MEMBRANES OF CEREBRAL CELLS AS SUBSTRATES FOR INFORMATION STORAGE	2608
STUDY OF BIOLOGICAL	MEMBRANES ORIENTED IN A HOMOGENEOUS MAGNETIC FIELD	1605
X-RAY DIFFRACTION FROM CHLOROPLAST	MEMBRANES ORIENTED IN A MAGNETIC FIELD	1618
NDING MODELS FOR THE INTERACTION OF	MEMBRANES WITH EM FIELDS	2423
OR A PARTICULAR ROLE OF THE VENTRAL	MESENCEPHALIC TEGMENTUM	1871
ADIOFREQUENCY LESION OF THE VENTRAL	MESENCEPHALIC TEGMENTUM: NEUROLOGICAL AND BEHAVIORAL CONSIDERATION	0835
-INTENSITY UHF EM WAVES ON BACILLUS	MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUSSIAN)	1633
	METABOLIC AND THERMOREGULATORY RESPONSES TO MICROWAVE RADIATION IN	1434
THERMAL RADIATION IN	METABOLIC CHAMBERS	3224
	METABOLIC CHANGES UNDER THE INFLUENCE OF MICROWAVE RADIATION AT HI	2250
	METABOLIC DISORDERS AND THE LIVER FUNCTION UNDER THE EFFECT OF A L	1514
THE NATURE OF CHANGES IN SOME	METABOLIC INDICES IN RESPONSE TO NONTHERMAL INTENSITY RADIOWAVES	2805
ICES OF PHYSIOLOGICAL FUNCTIONS AND	METABOLIC PROCESSES IN WHITE RATS	2493
	METABOLIC RATES IN FIVE ANIMAL POPULATIONS AFTER LONG-TERM EXPOSUR	1647
	METABOLIC RATES IN FIVE ANIMAL POPULATIONS AFTER PROLONGED EXPOSUR	1108
GENETIC CONTINUITY AND	METABOLIC REGULATION AS SEEN BY THE EFFECTS OF VARIOUS MICROWAVE A	1085
EW THEORY OF GENETIC CONTINUITY AND	METABOLIC REGULATION BASED ON THE PRE-EXISTING ANATOMY OF CELLS AN	2986
EFFECTS OF MICROWAVES ON THE	METABOLIC TIME CLOCKS OF NORMAL AND TUMOUR CELLS: A LASER-RAMAN ST	3264
THERMOREGULATORY,	METABOLIC , AND CARDIOVASCULAR RESPONSE OF RATS TO MICROWAVES	0926
D ON EHRLICH ASCITES CARCINOMA CELL	METABOLISM	0044
PULSED MICROWAVES AT X-BAND ON SKIN	METABOLISM	2049
RADIATION ON CEREBRAL CATECHOLAMINE	METABOLISM (IN RUSSIAN)	0011
ES OF RENAL FUNCTION AND WATER-SALT	METABOLISM (IN RUSSIAN)	1629
	METABOLISM AND DISTRIBUTION OF IRON, COPPER, MOLYBDENUM, MANGANESE	2806
M IN THE REGULATION OF CARBOHYDRATE	METABOLISM IN ANIMALS EXPOSED TO AN ULTRAHIGH-FREQUENCY FIELD	2327
WAVES ON CERTAIN ASPECTS OF PROTEIN	METABOLISM IN BACTERIA	2304
HE EFFECT OF ELECTROSHOCK ON ENERGY	METABOLISM IN CEREBELLAR LAYERS	2638
GAMMA-AMINOBUTYRIC ACID	METABOLISM IN RATS FOLLOWING MICROWAVE EXPOSURE	0482
WAVES ON CERTAIN ASPECTS OF PROTEIN	METABOLISM IN TEST ANIMALS	1356
EM FIELD PULSES ON SKELETAL MUSCLE	METABOLISM IN THE RAT	2048
SOME ASPECTS OF ENERGY AND NITROGEN	METABOLISM IN THE RAT CEREBRAL HEMISPHERES	0429
	METABOLISM IN THE YELLOW MEALWORM, TENEBRIO MOLITOR (COLEOPTERA: T	0493
FERENT INTENSITY ON THE BALANCE AND	METABOLISM OF COPPER, MANGANESE, MOLYDENUM, AND NICKEL IN THE ORGA	1505
FERENT INTENSITY ON THE BALANCE AND	METABOLISM OF COPPER, MOLYBDENUM AND IRON IN THE ORGANISMS OF LABO	2808
THE MILLIMETRIC RANGE ON THE ENERGY	METABOLISM OF LIVER MITOCHONDRIA	2811
CHANGES IN	METABOLISM OF NITROGENOUS SUBSTANCES IN ANIMAL NERVE TISSUE SUBJEC	0618
CHANGES IN	METABOLISM OF NITROGENOUS SUBSTANCES IN ANIMAL NERVE TISSUE SUBJEC	2044
E EFFECT OF MICROWAVES ON THE LIPID	METABOLISM OF SEVERAL MOUSE STRAINS	3404
ENERGY	METABOLISM OF THE HYPOTHALAMO-HYPOPHYSEAL PART OF RAT BRAIN IN THE	1557
EFFECTS OF MICROWAVES ON THE CELL	METABOLISM OF THE RETICULO-HISTOCYTIC SYSTEM	1280
THE	METABOLISM OF WHITE MICE MAINTAINING IN FARADAY CAGES AND IN AN EL	2646

GROWTH, FOOD CONSUMPTION AND BLOOD	METABOLITE ALTERATIONS	1787
, FOOD AND WATER CONSUMPTION, BLOOD	METABOLITE , HEMATOLOGICAL, AND PATHOLOGICAL CHANGES	0957
ICROWAVE IRRADIATION ON ENZYMES AND	METABOLITES IN MOUSE BRAIN	2466
THE LEVELS OF LABILE INTERMEDIARY	METABOLITES IN MOUSE BRAIN FOLLOWING RAPID TISSUE FIXATION WITH MI	0810
LABILE INTERMEDIARY	METABOLITES IN RAT BRAIN DETERMINED AFTER TISSUE INACTIVATION WITH	2596
EPHRINE AND THE EFFECT ON MONOAMINE	METABOLIZING ENZYMES	0570
PROTECTION AFFORDED BY THE	METAL CAPSULE OF PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR F	2588
FREQUENCY EXPOSURE EFFECTS ON TRACE	METAL CONTENT OF BLOOD PLASMA AND LIVER CELL FRACTIONS OF RODENTS	1079
	METAL ION CONTENT OF SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MH	0841
EFFECTS OF HEAVY	METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES O	0015
TRANSIENT CURRENTS INDUCED ON A	METALLIC BODY OF REVOLUTION BY AN ELECTROMAGNETIC PULSE	3175
ITS USE IN DETERMING PROTECTION FOR	METALLIC COMMUNICATION CIRCUITS	3117
EFFECT OF	METALLIC INCLUSIONS IN THE BODY ON THE INTENSITY OF ULTRAHIGH-FREQ	1694
CONTENT OF IRON, COPPER, COBALT AND	METALLIC PROTEINS BONDED WITH THEM IN ORGANS AND TISSUES OF TEST A	1498
NGE ON THE IRON, COPPER, AND ALLIED	METALLOPROTEIN CONCENTRATIONS IN BLOOD AND ORGANS (EXPERIMENTAL ST	2841
AT WE DON'T KNOW CAN HURT ELEMENTS,	METALLOPROTEINES AND SOME INDICATORS OF OXIDATION- REDUCTION PROCE	2348
IN THE COURSE OF HEAT TREATMENT OF	METALS BY MEDIUM- HIGH-FREQUENCY CURRENTS (IN RUM)	3409
TADPOLE	METAMORPHOSIS	0868
REGIONAL LOCATION OF	METEOROLOGICAL RADAR STATIONS	1439
UID CRYSTAL MICROWAVE POWER DENSITY	METER	2850
ELECTROMAGNETIC RADIATION	METER	2949
W NEAR-ZONE ELECTRIC-FIELD-STRENGTH	METER	3527
ODS FOR MEASURING PERMITTIVITIES AT	METER AND DECIMETER WAVELENGTHS	3536
ENERGY DENSITY	METER DEVELOPED FOR MICROWAVE HAZARDS	1725
A MAGNETIC FIELD STRENGTH	METER EMPLOYING THE HALL EFFECT IN GERMANIUM	3307
NEAR-FIELD ELECTRIC ENERGY DENSITY	METER MODEL EDM-2	1011
RADIO NOISE	METER RESPONSE TO RANDOM PULSES BY COMPUTER SIMULATION	3116
EMR OF THE ORDER OF CENTIMETER AND	METER WAVES ON HUMAN'S HEALTH	0939
INTEGRATING MILLIAMPERE-SECONDS	METER , (FDA) 73-8004, BRH/DEP N73-1	3043
XPOSED TO PROLONGED ELECTROMAGNETIC	METER-WAVE RADIATION	3193
UID CRYSTAL MICROWAVE POWER DENSITY	METER	3358
ODS OF CALIBRATING MICROWAVE HAZARD	METERS	0880
S AND PROCEDURES FOR FIELD STRENGTH	METERS (30 HZ TO 1 GHZ)	3494
A REVIEW OF IN-LINE RF POWER	METERS FOR USE WITH ULTRASONIC INSTRUMENTATION, (FDA) 73-8030, BRH	3044
RF HEALTH HAZARDS AND MONITORING	METERS--RECENT NOTES	0698
AS FOR ANTENNAS AND FIELD INTENSITY	METERS	3292
+ FIELD STRENGTH AND POWER DENSITY	METERS	3298
RNAL SKELETAL FIXATION USING METHYL	METHACRYLATE FOR DELAYED UNION OF OPEN TIBIAL FRACTURE WITH SEGMEN	2781
ND LIQUIDS BY A CAVITY PERTURBATION	METHOD	0988
EM FIELDS. A SURGICALLY NONINVASIVE	METHOD	1050
	METHOD AND APPARATUS FOR MEASURING EMR	1911
CALORIMETRIC CALIBRATION	METHOD FOR A COMMERCIAL POWER MONITOR FOR USE WITH HIGH POWER MICR	3039
MICROWAVE OVEN IRRADIATION AS A	METHOD FOR BACTERIAL DECONTAMINATION IN A CLINICAL MICROBIOLOGY LA	2786
IMPROVED	METHOD FOR CALCULATING DC CORONA LOSSES	3114
MICROWAVE	METHOD FOR DETERMINING DIELECTRIC PARAMETERS OF LIVING BIOLOGICAL	0034
A	METHOD FOR DETERMINING THE DIELECTRIC CONSTANT AND THE CONDUCTIVIT	1934
A PASSIVE ELECTRODELESS	METHOD FOR DETERMINING THE INTERIOR FIELD OF BIOLOGICAL MATERIALS	1235
A	METHOD FOR EXPOSING CELL CULTURES TO EM FIELDS UNDER CONDITIONS OF	1686
A RESONANCE	METHOD FOR MEASUREMENT OF LARGE DIELECTRIC CONSTANT WITH SMALL LOS	3288
A NEW	METHOD FOR MEASURING DIELECTRIC CONSTANT AND LOSS IN THE RANGE OF	3333
NON-INVASIVE, PARTIAL-BODY EXPOSURE	METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF BIOLOGICAL SUBSTA	0088
A NEW	METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF CONDUCTIVE MATERI	3141
AN ELECTRONIC	METHOD FOR MEASURING THE HEART FREQUENCY OF THE WATERFLEA: DAPHNIA	1720
RESONANCE	METHOD FOR THE DETERMINATION OF THE COMPLEX DIELECTRIC CONSTANT OF	0883
BSERVATIONS WITH AN ELECTROMAGNETIC	METHOD FOR THE NONINVASIVE ANALYSIS OF CELL SUSPENSION PHYSIOLOGY	0054
A MICROWAVE RADIOMETRIC	METHOD FOR THE STUDY OF THE SEMICONDUCTOR PROPERTIES OF LIVING TIS	2337
A TWO IMPEDANCE	METHOD FOR WIDE RANGE DIELECTROMETRY	2215
F PULSED CURRENTS (ACCORDING TO THE	METHOD OF A ELECTROANALGESIA	3427
A NEW PHYSICAL	METHOD OF CREATING CHROMOSOMAL ABERRATIONS	0491
RKING ENVIRONMENT IN RADIOLOCATION:	METHOD OF DETERMINATION OF MICROWAVE EFFECTS	1138
E ACTION OF PULSED CURRENTS (BY THE	METHOD OF ELECTROANALGESIA)	0024
THE DEVELOPMENT OF A NEW	METHOD OF HEPATECTOMY BY RADIATION OF MICROWAVES	0919
HYGIENIC ASSESSMENT OF THE	METHOD OF MAGNETIC TREATMENT OF WATER IN THE HOT WATER SUPPLY SYST	2603
A DIELECTRIC RESONATOR	METHOD OF MEASURING INDUCTIVE CAPACITIES IN THE MILLIMETER RANGE	3340
THERAPY: PRELIMINARY REPT. ON A NEW	METHOD OF RELATIVELY COLD ELECTROTHERAPY	1821

MICROWAVE PUBLICATIONS

R CORONA LOSSES AND INTERFERENCES:	METHOD OF THEIR MEASUREMENT	3593
A RAPID	METHOD OF VISUALIZING THE STRUCTURE OF AN EXTREMELY HIGH-FREQUENCY	1716
FIELD COMPONENT OF THE KRAUSLECHNER	METHOD ON THE HEALING OF EXPERIMENTAL NONUNIONS IN DOGS	0131
ELD COUPLING TO HUMANS USING MOMENT	METHOD TECHNIQUES	2186
IELECTRIC CONSTANT VIA THE TWO-LOOP	METHOD USING SWEPT FREQUENCY EXCITATION - UCRL-51266	3049
MICROWAVE POWER DENSITY CALIBRATION	METHOD USING THE POWER EQUATION TECHNIQUES	3625
EXTENSION OF THE 'THIN-SAMPLE	METHOD ' FOR THE MEASUREMENT OF INITIAL COMPLEX PERMEABILITY AND FE	3337
THE NERVOUS SYSTEM (SONIC STIMULUS	METHOD)	1350
ER OF ACETYLCHOLINE IN MOUSE BRAIN:	METHODOLOGICAL AND FUNCTIONAL ASPECTS	2527
CERTAIN	METHODOLOGICAL PROBLEMS AND RESULTS OF EXPERIMENTAL INVESTIGATION	2300
NONIONIZING EMR. I. DEVELOPMENT OF	METHODOLOGY	2174
MICROWAVE THERMOGRAPHY: PRINCIPLES,	METHODS AND CLINICAL APPLICATIONS	0261
	METHODS AND INSTRUMENTATION FOR THE EVALUATION AND CALIBRATION OF	2205
ISCUSSION I: MICROWAVE MEASUREMENTS	METHODS AND STANDARDS FOR BIOLOGICAL RESEARCH AND HAZARDS SURVEYS	1550
OPERANT	METHODS ASSESSING THE EFFECTS OF ELF EM FIELDS	1714
EQUIPMENT AND	METHODS EMPLOYED IN THE EXPOSURE OF EXPERIMENTAL ANIMALS TO MICROW	1474
STANDING WAVE	METHODS FOR MEASURING PERMITTIVITIES AT METER AND DECIMETER WACELE	3536
DIELECTRIC MEASUREMENT	METHODS FOR SOLIDS AT MICROWAVE FREQENCIES	3334
DIELECTRIC MEASUREMENT	METHODS FOR SOLIDS AT MICROWAVE FREQUENCIES	3463
	METHODS FOR THE EVALUATION AND CALIBRATION OF MICROWAVE SURVEY INS	0058
	METHODS FOR THE INVESTIGATION OF RADIATION FIELD DISTRIBUTION OF R	1438
PHYSICAL TREATMENT	METHODS IN CHRONIC DISEASES OF VEINS	0259
FRATICAL PROBLEMS, SAFEGUARDS, AND	METHODS OF CALCULATION	3104
	METHODS OF CALIBRATING MICROWAVE HAZARD METERS	0880
	METHODS OF CONDUCTING SVCH IRRADIATION OF ANIMALS	2043
	METHODS OF DOSIMETRY AND MEASURING IN MICROWAVE FIELDS (IN RUMANIA	2722
	METHODS OF EXPERIMENTALLY IRRADIATING SMALL ANIMALS WITH CENTIMETR	3445
E IN THE MICROWAVE RANGE, REPORT 2.	METHODS OF GAUGING ELECTRICAL PARAMETERS OF BIOLOGICAL INTEREST	3488
	METHODS OF INDUCING HYPERTHERMIA AND ITS MEASUREMENT	0339
	METHODS OF MICROWAVE FIELD QUANTIFICATION FOR BIOLOGIC STUDIES	0881
	METHODS OF PAIN MODULATION BY ELECTRICAL STIMULATION (IN GERMAN)	1793
VES ON LIVING ORGANISMS AND RELATED	METHODS OF PROTECTION, PART II (IN ITALIAN)	0451
GIONS IN VIVO FOLLOWING ALTERNATIVE	METHODS OF SACRIFICE BY MICROWAVE IRRADIATION	1620
AL COMPARISONS OF RF FIELD DELIVERY	METHODS TO THERMAL RESPONSES OF MODELS AND EXPERIMENTAL ANIMALS	1687
SSION OF 750-1150 KV: THE MEASURING	METHODS , THE DESIGN PRACTICES AND DIRECTION OF FURTHER RESEARCH	3587
: A REVIEW OF DIFFERENT STIMULATION	METHODS	0158
ME LONG CHAIN FATTY ACIDS AND THEIR	METHYL ESTERS IN THE MICROWAVE REGION	3201
PHYSICAL PROPERTIES OF FATTY ACID	METHYL ESTERS.V. DIELECTRIC CONSTANT	3199
ND EXTERNAL SKELETAL FIXATION USING	METHYL METHACRYLATE FOR DELAYED UNION OF OPEN TIBIAL FRACTURE WITH	2781
DIELECTRIC BEHAVIOUR OF	METHYL PALMITATE IN THE MICROWAVE REGION	3482
DIELECTRIC BEHAVIOUR OF	METHYL PALMITATE-EVIDENCE OF RESONANCE ABSORPTION	3483
THE DEVELOPMENT OF	METHYLCHOLANTHRENE-INDUCED TUMORS IN MICE UNDER THE ENVIRONMENTAL	2702
EXTENSIONS OF TIME DOMAIN	METROLOGY ABOVE 10 GHZ TO MATERIALS MEASUREMENTS	0037
NCIDENTIAL MAN-MADE HF/VHF NOISE IN	METROPOLITAN AREAS	3179
ORNE VHF/UHF INCIDENTIAL NOISE OVER	METROPOLITAN AREAS	3180
	METROPOLITAN RADIATION HAZARDS	2973
	METROPOLITAN RADIATION HAZARDS (II)	2989
	METROPOLITAN RADIATION HAZARDS 3RD	2997
	METROPOLITAN RADIATION HAZARDS II (METRO RAD-HAZ II)	3615
	METROPOLITAN RADIATION HAZARDS III (METRO RAD-HAZ III)	3616
OF CUTANEOUS HUMAN TUMORS AT 27.12	MHZ	0048
REE MICROWAVE APPLICATORS AT 433.92	MHZ	0911
RE MICROWAVE OCULAR EFFECTS AT 3000	MHZ	1065
O PERSONNEL AT FREQUENCIES BELOW 30	MHZ	1549
EYES OF RABBITS AT 2450 MHZ AND 918	MHZ	1858
LD STANDARD AT FREQUENCIES ABOVE 30	MHZ	2189
MENTATION AND CALIBRATION BELOW 500	MHZ	2204
ISIAE EXPOSED TO MICROWAVES AT 2450	MHZ	2355
IRRADIATED BY EM WAVES OF UP TO 500	MHZ	2796
TES IN CELL CULTURE EXPOSED TO 2450	MHZ (CW) MICROWAVE RADIATION	2799
IN UTERO THROUGH EARLY LIFE TO 2450	MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES	2902
EXPOSURE OF RATS TO 425	MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES	2903
TE FUNCTION IN MICE EXPOSED TO 2450	MHZ (CW) MICROWAVES	0279
N IN DOGS CRANIALLY EXPOSED TO 2450	MHZ (CW) MICROWAVES	0655

IN THE RAT AND DOG EXPOSED TO 2450	MHZ (CW) MICROWAVES	2676
IN MALE RATS EXPOSED TO 425 OR 2450	MHZ (CW) MICROWAVES	3388
E DEVICES IN THE FREQUENCY RANGE 10	MHZ - 300 GHZ	0284
NS IN PHANTOM HEADS EXPOSED TO 2450	MHZ AND 915 MHZ PLANE WAVE AND SLOT SOURCES	2671
ECTS ON THE EYES OF RABBITS AT 2450	MHZ AND 918 MHZ	1858
MHZ ROUND FIELD APPLICATOR AND 915	MHZ CONTACT APPLICATOR	1325
DENATURATION OF DNA EXPOSED TO 2450	MHZ CW MICROWAVE RADIATION	1972
INFLUENCE OF 2450	MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO	1155
ITY INSIDE HUMAN TORSOS BY 1 TO 500	MHZ EM WAVES	1608
ITY OF CANCER AFTER EXPOSURE TO 434	MHZ EMR	2452
AND HUMAN PHANTOMS EXPOSED TO 10-50	MHZ FIELDS	1778
AND HUMAN PHANTOMS EXPOSED TO 10-50	MHZ FIELDS	2190
SED TO WEAK AMPLITUDE MODULATED 450	MHZ FIELDS	2661
WAVE IRRADIATION AT 986 VERSUS 2450	MHZ FOR IN VIVO INACTIVATION OF BRAIN ENZYMES IN RATS	0085
ELECTROMAGNETIC RADIATION AT 27-30	MHZ FREQUENCY	3431
BROADCAST SATELLITE IN THE 620-790	MHZ FREQUENCY BAND	2323
STRENGTH FOR FREQUENCIES BELOW 1000	MHZ IN RADIO WAVE PROPAGATION	3561
ITTERS OPERATING BETWEEN 54 AND 220	MHZ IN THE LAS VEGAS, NEVADA, AREA	2802
PROGRESS REPORT ON 2450	MHZ IRRADIATION OF PREGNANT RATS AND THE EFFECT ON THE FETUS	2878
NSE TO A LOW INTENSITY PULSED 9,400	MHZ MICROWAVE ELECTROMAGNETIC FIELD	0415
PONSE OF THE DOG TO 24,000 AND 1285	MHZ MICROWAVE EXPOSURE	0617
MATIC ACTIVITY COINCIDENT WITH 2450	MHZ MICROWAVE EXPOSURE	1323
BY A BIOLOGICAL SPECIMEN IN A 2450	MHZ MICROWAVE FIELD	0744
BY A BIOLOGICAL SPECIMEN IN A 2450	MHZ MICROWAVE FIELD	3091
BY A BIOLOGICAL SPECIMEN IN A 2450	MHZ MICROWAVE FIELD	3257
EFFECT OF 2450	MHZ MICROWAVE FIELDS ON PERIPHERAL NERVES	2384
MANNITOL IN THE RAT FOLLOWING 2450	MHZ MICROWAVE IRRADIATION	0313
MINO UNITS FOLLOWING INJURY BY 2450	MHZ MICROWAVE IRRADIATION	3386
SPONSE OF FETAL RATS FOLLOWING 2450	MHZ MICROWAVE IRRADIATION	3387
THE EFFECT OF 2450	MHZ MICROWAVE IRRADIATION ON THE GROWTH OF MICE	0808
BIOLOGICAL DOSIMETRY OF 2450	MHZ MICROWAVE IRRADIATION WITH MICE	1745
ION OF FETAL GROWTH OF RATS BY 2450	MHZ MICROWAVE IRRADIATION	0222
EXPOSURE OF BACTERIA TO 2450	MHZ MICROWAVE RADIATION	0793
CHANGES IN RAT LIVER FOLLOWING 2450	MHZ MICROWAVE RADIATION	1314
IN LONG-EVANS RATS EXPOSED TO 2450	MHZ MICROWAVE RADIATION	1433
OF CHROMOSOMAL ABERRATIONS BY 2450	MHZ MICROWAVE RADIATION	2344
MICE UNDER REPEATED EXPOSURE TO 915	MHZ MICROWAVE RADIATION	2672
MALL HOLDER DURING EXPOSURE TO 2450	MHZ MICROWAVE RADIATION	2821
OF PROTRACTED LOW DOSE PRENATAL 915	MHZ MICROWAVE RADIATION	2864
ATURE DISTRIBUTIONS INDUCED BY 2450	MHZ MICROWAVE RADIATION IN A TRILAYERED SPHERICAL PHANTOM	1816
SURE TO A NON-THERMAL LEVEL OF 2450	MHZ MICROWAVE RADIATION IN THE PREGNANT RAT	2865
EFFECTS OF 2450	MHZ MICROWAVE RADIATION ON CULTIVATED RAT KANGAROO CELLS	1537
PRE-AND POST-NATAL EXPOSURES TO 918	MHZ MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVIOR IN RATS	2700
EFFECT OF 2450	MHZ MICROWAVE RADIATION ON HORSERADISH PEROXIDASE	0923
EFFECTS OF 2450	MHZ MICROWAVE RADIATION ON HUMAN BLOOD COAGULATION PROCESSES	0676
EFFECT OF 2,450	MHZ MICROWAVE RADIATION ON MICROORGANISMS	2815
EFFECT OF 2450	MHZ MICROWAVE RADIATION ON SOME SOIL MICROORGANISMS IN SITU	1918
THE EFFECT OF 2450	MHZ MICROWAVE RADIATON ON LIVER ADENOSINE TRIPHOSPHATE (ATP)	0812
BJECTED TO CRANIAL EXPOSURE TO 2450	MHZ MICROWAVES	2445
TRACTED IRRADIATION OF RATS BY 2450	MHZ MICROWAVES	2901
STUDIES ON THE EFFECT OF 2450	MHZ MICROWAVES ON HUMAN IMMUNOGLOBULIN G	3032
EFFECTS OF 2450	MHZ MICROWAVES ON MOUSE TESTICULAR CYTOLOGY	2894
EFFECTS OF 2450	MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE	2507
EFFECT OF 191 AND 155	MHZ MICROWAVES ON THE CONDITIONED REFLEX ACTIVITY OF ANIMALS	1349
RRADIATION OF RATS BY LOW LEVEL 918	MHZ MICROWAVES: DELINEATING THE DOSE-RESPONSE RELATIONSHIP	2911
EXPOSURE OF BACTERIA TO 2450	MHZ MICTOWAVE RADIATION	2993
THE USE OF 2450	MHZ OF MICROWAVE IN CANCER THERAPY	0170
EFFECTS OF EM FIELDS BELOW 30	MHZ ON ANIMAL BIOLOGY	1394
THE EFFECTS OF MICROWAVE (2450)	MHZ ON ISOLATED RAT LIVER MITOCHONDRIA	3554
ENT OF THE EM FIELD COUPLING OF 915	MHZ OVEN LEAKAGE TO HUMAN SUBJECTS BY THERMOGRAPHIC STUDIES ON PHA	1153
M HEADS EXPOSED TO 2450 MHZ AND 915	MHZ PLANE WAVE AND SLOT SOURCES	2671
TASTE AVERSION AS A FUNCTION OF 915	MHZ RADIATION	2660
MAL AND THERAPEUTIC EFFECTS OF 2450	MHZ RADIATION ON MAMMALIAN CELLS	2342
LETHAL EFFECTS OF 3000	MHZ RADIATION ON THE RAT	1866
C AREAS OF THE RAT BRAIN AFTER 1600	MHZ RADIOFREQUENCY IRRADIATION	0841

EFFECTS OF RADIATION IN THE 30-300	MHZ	RANGE	1276
TO RF EM FIELDS OF THE 155 AND 191	MHZ	RANGE	1359
ERATOGENIC EFFECTS IN RATS BY 27.12	MHZ	RF RADIATION	2898
TTERNS PRODUCED IN HUMANS BY 433.92	MHZ	ROUND FIELD APPLICATOR AND 915 MHZ CONTACT APPLICATOR	1325
IAC PACEMAKER EM INTERFERENCE (3050	MHZ	)	0649
IN BIOLOGICAL SPECIMENS (10 TO 100	MHZ	)	1709
IELD EXPOSURE SYNTHESIZER (10 TO 40	MHZ	)	1845
OF THE MICROWAVE OVEN (915 AND 2450	MHZ	) AND RADAR (2810 AND 3050 MHZ) EMR ON NONCOMPETITIVE CARDIAC P	0450
ANCE OF THE HUMAN BODY FOR HF (2-30	MHZ	) BAND (INITIAL RESULTS)	2142
PULSED RADIOWAVE (27.12	MHZ	) EFFECTS ON IN VIVO AND IN VITRO TUMOR GROWTH	1162
2450 MHZ) AND RADAR (2810 AND 3050	MHZ	) EMR ON NONCOMPETITIVE CARDIAC PACEMAKERS	0450
XPOSED TO MICROWAVE RADIATION (2400	MHZ	) IN CONDITIONS OF CHRONIC EXPOSURE	0682
E ORGANISM AFTER MICRO- WAVE (2,400	MHZ	) IRRADIATION. (IN RUS.)	0194
EFFECTS OF EM INTERFERENCE (2450	MHZ	) ON CARDIAC PACEMAKERS	1285
E MODULATED RF FIELDS (450 AND 3100	MHZ	) ON CARDIAC PACEMAKERS	1289
THE EFFECT OF MICROWAVES (2450	MHZ	) ON ISOLATED RAT LIVER MITOCHONDRIA	1076
THE EFFECT OF MICROWAVES (2450	MHZ	) ON LYMPHOCYTE BLAST TRANSFORMATION IN VITRO	2184
FFECT OF MICROWAVE RADIATION (2,450	MHZ	) ON THE IMMUNE RESPONSE OF THE MOUSE	0312
THE EFFECT OF MICROWAVES (2450	MHZ	) ON THE IMMUNE SYSTEM IN MICE. II. FUNCTIONAL STUDIES	2350
EFFECT OF MICROWAVE RADIATION (2450	MHZ	) ON THE MORPHOLOGY AND CHROMOSOMES OF LYMPHOCYTES	2751
HORT WAVELENGTH FIELDS (15° AND 191	MHZ	) ON THE SURVIVAL RATE AND TEMPERATURE REACTION OF TEST ANIMALS	1354
OM INDUSTRIAL RADIO-FREQUENCY (6-38	MHZ	) PLASTIC SEALERS	0402
INDUSTRIAL RADIOFREQUENCY (15-40.68	MHZ	) POWER SOURCES	2210
S UNDER MICROWAVE IRRADIATION (2400	MHZ	)	0440
TS AFTER MICROWAVE IRRADIATON (2400	MHZ	)	2923
UNDER MICROWAVE IRRADIATION (2,400	MHZ	). (IN RUS.)	0195
CURRENT STUDIES ON THE EFFECTS OF	MHZ	-2450 RADIATION ON VARIOUS BIOLOGICAL SYSTEMS	2939
C FIELDS NEAR A CIRCULAR LOOD AT 27	MHZ		3310
AGNETIC DIATHERMY MODALITIES IN 433	MHZ	. TO 2450 MHZ	3327
ERMY MODALITIES IN 433 MHZ. TO 2450	MHZ		3327
CTRIC MEASUREMENTS FROM 300 TO 9000	MHZ		3339
N ON THE OXYGEN-CONSUMPTION RATE OF	MICE		0369
ELD UPON HAEMOPOIETIC STEM CELLS IN	MICE		0735
ECTS OF 3-CM MICROWAVE RADIATION ON	MICE		0737
ROWAVE IRRADIATION ON THE GROWTH OF	MICE		0808
IC FIELDS ON LIVER TRIGLYCERIDES IN	MICE		0927
ON THE HEMATOPOIETIC STEM CELLS OF	MICE		1075
C) ON DEVELOPMENT OF SARCOMA 180 IN	MICE		1160
IA ON MAMMARY ADENOCARCINOMA IN C3H	MICE		1238
VE RADIATION ON THE TESTES OF SWISS	MICE		1268
ER WAVES ON THE FERTILITY OF FEMALE	MICE		1361
D NIKETHAMIDE ON MICROWAVE- EXPOSED	MICE		1490
TERNAL TEMPERATURE AND VIABILITY IN	MICE		1579
2450 MHZ MICROWAVE IRRADIATION WITH	MICE		1745
ITY, HEMATOPOIESIS AND LIFE SPAN IN	MICE		2037
OR-BEARING LYMPHOID SPLEEN CELLS IN	MICE		2066
ON-IONIZING RADIATION IN SWISS MALE	MICE		2178
OF DECAPITATED AND MICROWAVE-KILLED	MICE		2219
OF CHRONIC MICROWAVE IRRADIATION ON	MICE		2294
ND MICROWAVES ON THE BONE MARROW OF	MICE		2301
MICROWAVE TERATOGENESIS IN	MICE		2358
OWAVE RADIATION ON THE TESTICLES OF	MICE		2385
ELECTRICAL PROPERTIES OF TUMORS IN	MICE		2455
DICALS IN THE ORGANS AND TISSUES OF	MICE		2488
OXIDATIVE ENZYMES IN THE LIVERS OF	MICE		2490
N OF MICROWAVE ENERGY ABSORPTION BY	MICE		2762
AGNETIC FIELD ON ACTIVITY LEVELS OF	MICE		2765
ND THE COURSE OF PREGNANCY IN WHITE	MICE		2875
OWAVE RADIATION ON THE TESTICLES OF	MICE		2892
IELD OF 300 GAUSS ON SPLENECTOMIZED	MICE	(IN CZECHOSLOVAKIAN)	2709
OME OF AN ACUTE MICROWAVE LESION ON	MICE	(IN RUSSIAN)	1630
MOR GROWTH AND GREATER LONGEVITY IN	MICE	AFTER FETAL IRRADIATION BY 2450-MHZ MICROWAVES	0026
HEAT-DISSIPATION RATE OF	MICE	AFTER MICROWAVE IRRADIATION	2376
ECTS OF 19 MEGACYCLE IRRADIATION ON	MICE	AND RATS	2181
LEARNING AFTER FETAL IRRADIATION OF	MICE	BY 2450-MHZ MICROWAVE ENERGY	1805

STIMULATION OF THE IMMUNE SYSTEM OF	MICE BY ELECTRO-MAGNETIC RADIATION	3424
INHIBITION OF TUMOR GROWTH IN	MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLI	0053
INHIBITION OF TUMOR GROWTH IN	MICE BY MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND COLCEMIDE	2753
DIATION DAMAGE OF HAEMATOPOIESIS IN	MICE BY MICROWAVES	1136
ION DAMAGE OF HEMOPOIETIC SYSTEM OF	MICE BY MICROWAVES	2801
RATE AND OXYGEN CONSUMPTION RATE IN	MICE CONFINED IN A SMALL HOLDER DURING EXPOSURE TO 2450 MHZ MICROW	2821
FFECTS ON THE OXYGEN CONSUMPTION OF	MICE DURING AND AFTER MICROWAVE IRRADIATION	2910
RMINATION OF TEMPERATURE CHANGES IN	MICE DURING MICROWAVE IRRADIATION	1695
VALUATION OF LYMPHOCYTE FUNCTION IN	MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES	0279
GROWTH AND DEVELOPMENT OF NEONATAL	MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS	0743
ON AND TESTICULAR MICROSTRUCTURE OF	MICE EXPOSED TO MICROWAVES	2873
HEMATOLOGIC EFFECTS IN	MICE EXPOSED TO PULSED AND CW MICROWAVES	0206
RMOSTABILITY OF THE ERYTHROCYTES OF	MICE EXPOSED TO THE ACTION OF A MAGNETIC FIELD	1231
EFFECT OF GENERAL ANESTHETICS ON	MICE FOLLOWING MICROWAVE IRRADIATION	0246
GONISTIC BEHAVIOR OF TWO STRAINS OF	MICE IN A 60-HERTZ EM FIELD	2038
N THE OUTCOME OF ACUTE AFFECTION OF	MICE IN IRRADIATION WITH MICROWAVES	1397
E AND MACROPHAGE PRECURSOR CELLS OF	MICE IN VITRO	0352
ABNORMALITIES IN ORGANS OF	MICE INDUCED BY A MAGNETIC FIELD	2097
SOME INDICES OF FERTILITY OF FEMALE	MICE IRRADIATED WITH 10-CENTIMETER WAVES	2874
WATER-ELECTROLYTE-BALANCE OF WHITE	MICE KEPT IN FARADAY-CAGES AND IN AN ELECTRIC FIELD OF RECTANGULAR	2645
THE METABOLISM OF WHITE	MICE MAINTAINING IN FARADAY CAGES AND IN AN ELECTRIC FIELD, OSCILL	2646
INFLUENCE OF THE AGE OF	MICE ON THE EFFECTIVENESS OF STIMULATION OF THE IMMUNE SYSTEM OF M	3424
IMMUNE RESPONSE OF	MICE TO 2450-MHZ MICROWAVE RADIATION: OVERVIEW OF IMMUNOLOGY AND E	2756
EXPOSURE OF	MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY	0969
EXPOSURE OF	MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY	3016
ON THE NATURAL RESISTANCE OF WHITE	MICE TO LISTERIA INFECTION	2486
LLOWING TWO LONG- TERM EXPOSURES OF	MICE TO MICROWAVE FIELDS (IN GERMAN)	2708
RELATION OF SEX, AGE, AND WEIGHT OF	MICE TO MICROWAVE RADIATION SENSITIVITY	1120
OXYGEN-CONSUMPTION RATE OF	MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION	2745
OXYGEN-CONSUMPTION RATE OF	MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION	2900
TERRITORY CHOICE OF WHITE	MICE UNDER FARADAY CONDITIONS AND IN ELECTRICAL FIELDS (IN GERMAN)	2637
BORATION OF CONDITIONED REFLEXES IN	MICE UNDER FOOTHILL AND ALPINE CONDITIONS	0273
GE ABSORBED DOSE RATE OF A GROUP OF	MICE UNDER REPEATED EXPOSURE TO 915 MHZ MICROWAVE RADIATION	2672
ETHYLCHOLANTHRENE-INDUCED TUMORS IN	MICE UNDER THE ENVIRONMENTAL INFLUENCE OF VARIOUS ELECTROBIOCLIMAT	2702
B-LYMPHOCYTE IMMUNE DEFECT IN CBA/N	MICE , PART II: STUDIES OF THE MECHANISMS UNDERLYING THE IMMUNE DEF	0946
MAN COLON CANCER XENOGRAFTS IN NUDE	MICE	0337
PHALIA: ITS OCCURRENCE IN UNTREATED	MICE	2884
OF CHRONIC MICROWAVE IRRADIATION ON	MICE	2896
(2450 MHZ) ON THE IMMUNE SYSTEM IN	MICE . II. FUNCTIONAL STUDIES	2350
S IN THE THERMAL INTENSITY RANGE ON	MICE . BODY WEIGHT, RECTAL TEMPERATURE, RESPIRATION, ACTIVITY IN RU	0120
TRIC FIELDS ON THREE GENERATIONS OF	MICE : A PILOT STUDY	0674
INFLUENCE OF MICROWAVES WITHIN	MICE :WEIGHT, RECTAL TEMPERATURE, RESPIRATION, TREAD MILL ACTIVITY,	0070
TH AND RATE OF MUTATIONS OF VARIOUS	MICRO-ORGANISMS	1593
EFFECT OF HIGH-FREQUENCY FIELDS ON	MICRO-ORGANISMS	1899
OF STRONG RADIO-FREQUENCY FIELDS ON	MICRO-ORGANISMS IN AQUEOUS SOLUTIONS	0529
OF THE SKIN DURING IRRADIATION WITH	MICRO-WAVES OF LOW INTENSITY	0607
ON THE ELECTROKINETIC PROPERTIES OF	MICROBIAL CELLS (IN RUSSIAN)	0015
SURVIVAL OF	MICROBIAL FILMS IN THE MICROWAVE OVEN	3425
LACK OF	MICROBIAL GENETIC RESPONSE TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ PULSE	0366
	MICROBIOLOGICAL ASPECTS OF EM ENERGY IN COMBINATION WITH OTHER PHY	2509
ERIAL DECONTAMINATION IN A CLINICAL	MICROBIOLOGY LABORATORY	2786
	MICROCALORIMETRY OF THE PROCESSES OF COAGULATION IN NORMAL CONDITI	0952
ERHIGH-FREQUENCY FIELDS AND ADVERSE	MICROCLIMATE ON THE ORGANISM	1981
S IV. STUDIES OF THE PROTOPLASTS OF	MICROCOCCUS LYSODEIKTICUS	1916
RF SUSCEPTIBILITY OF	MICROELECTRONIC COMPONENTS	1197
	MICROKYMATOTHERAPY : PRELIMINARY REPORT OF EXPEIMENTAL STUDIES OF T	3369
NVESTIGATION OF THE RESPONSE OF THE	MICROLITE 287 PROBE TO MICROWAVE FIELDS, BRH/DEP 70-20	3033
EM EMISSION AT	MICRON WAVELENGTHS FROM ACTIVE NERVES	1039
ELECTRICAL CURRENT ON AN INFECTING	MICROORGANISM IN WOUNDS	2243
SOIL	MICROORGANISM POPULATION DYNAMICS IN WEAK ELF EM FIELDS	1771
ABSORPTION OF MICROWAVES BY	MICROORGANISMS	0658
EQUENCY FIELD ON CERTAIN PATHOGENIC	MICROORGANISMS	1506
UENCY ELECTRIC FIELDS ON SEED-BORNE	MICROORGANISMS	1921
OF 2,450 MHZ MICROWAVE RADIATION ON	MICROORGANISMS	2815
ION OF THE EFFECTS OF MICROWAVES ON	MICROORGANISMS AND ANIMALS	2300

ORIENTATION OF	MICROORGANISMS BY EM FIELDS: THEORY AND EXPERIMENT	1746
PASSIVE ELECTRICAL PROPERTIES OF	MICROORGANISMS III. CONDUCTIVITY OF ISOLATED BACTERIAL CELL WALLS	1915
LITY OF RADIO-FREQUENCY ENERGY UPON	MICROORGANISMS IN LIQUID, BUFFERED, AND ALCOHOLIC FOOD SYSTEMS	2498
HZ MICROWAVE RADIATION ON SOME SOIL	MICROORGANISMS IN SITU	1918
PASSIVE ELECTRICAL PROPERTIES OF	MICROORGANISMS IV. STUDIES OF THE PROTOPLASTS OF MICROCOCCUS LYSOD	1916
RESPONSE OF PLANTS AND SOIL	MICROORGANISMS TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS	1761
PASSIVE ELECTRICAL PROPERTIES OF	MICROORGANISMS V. LOW-FREQUENCY DIELECTRIC DISPERSION OF BACTERIA	1917
HAL ACTION OF 2450-MHZ RADIATION ON	MICROORGANISMS	0196
MICROWAVE DRYING OF	MICROORGANISMS : I. INFLUENCE OF THE MICROWAVE ENERGY AND OF THE SA	1384
INDUCED AUDITORY RESPONSE--COCHLEAR	MICROPHONICS	2153
STICS OF MICROWAVE-INDUCED COCHLEAR	MICROPHONICS	2757
COCHLEAR	MICROPHONICS GENERATED BY MICROWAVE PULSES	1207
MICROWAVE-INDUCED COCHLEAR	MICROPHONICS IN CATS	1158
NON-PERTURBING	MICROPROBES FOR MEASUREMENT IN EM FIELDS	1142
A	MICRORADIOMETER FOR STUDYING HIGH-INTENSITY RADIATION FIELD STRUCT	1708
LIGHT AND ELECTRON	MICROSCOPIC OBSERVATIONS ON HAMSTERS AFTER MICROWAVE IRRADIATION	2439
LIGHT AND ELECTRON	MICROSCOPIC OBSERVATIONS ON THE BLOOD- BRAIN BARRIER AFTER MICROWA	2678
	MICROSCOPIC VISUALIZATION OF DOSE DISTRIBUTIONS	3283
AN ENZYMATIC AND SCANNING ELECTRON	MICROSCOPY STUDY	0293
EFFECTS OF EM FIELDS ON	MICROSOMAL ATPASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION	1080
LOCALIZED EMBEDDING OF LABELLED	MICROSPHERES BY MICROWAVE HEATING IN TISSUES OF HYPOTHERMIC DOGS	0434
ON THE REPRODUCTION AND TESTICULAR	MICROSTRUCTURE OF MICE EXPOSED TO MICROWAVES	2873
SIGNIFICANCE OF	MICROTHERMAL EFFECTS DERIVED FROM LOW LEVEL UHF-MICROWAVE IRRADIAT	0524
E EFFECTS OF MICROWAVE RADIATION ON	MICROTUBULES AND AXONAL TRANSPORT	2064
DANGER OF OVERWARMING BLOOD BY	MICROWAVE	0445
Y PROGRAM FOR OPHTHALMIC HAZARDS OF	MICROWAVE	0522
THE BIOLOGICAL EFFECTS OF	MICROWAVE	3194
	MICROWAVE 'HAZARDS' ARE EXAGGERATED	0520
THE EFFECTS OF	MICROWAVE (2450) MHZ ON ISOLATED RAT LIVER MITOCHONDRIA	3554
ON THE SUSCEPTIBILITY OF ANIMALS TO	MICROWAVE (MW) IRRADIATION FOLLOWING TREATMENT WITH PHARMACOLOGIC	1460
UNDERSTANDING	MICROWAVE ABSORBING MATERIALS AND ANECHOIC CHAMBERS PART 2	3351
UNDERSTANDING	MICROWAVE ABSORBING MATERIALS AND ANECHOIC CHAMBERS PART 3	3350
UNDERSTANDING	MICROWAVE ABSORBING MATERIALS AND ANECOHIC CHAMBERS, PARTS I THRU	3306
	MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS IX. MEASUR	3344
	MICROWAVE ABSORPTION AND TASTE AVERSION AS A FUNCTION OF 915 MHZ R	2660
	MICROWAVE ABSORPTION BY NORMAL AND TUMOR CELLS	1971
SURVEY OF	MICROWAVE ABSORPTION CHARACTERISTICS OF BODY TISSUES	1573
RELATIVE	MICROWAVE ABSORPTION CROSS SECTIONS OF BIOLOGICAL SIGNIFICANCE	3449
MOLECULAR MECHANISMS FOR	MICROWAVE ABSORPTION IN BIOLOGICAL SYSTEMS	1535
	MICROWAVE ABSORPTION MEASUREMENTS	1470
	MICROWAVE ABSORPTION OF LIVING HUMAN SKIN BETWEEN 8 AND 96 GHZ	1690
	MICROWAVE ALTERATION OF THE BLOOD-BRAIN BARRIER SYSTEM OF RATS	2015
N AS SEEN BY THE EFFECTS OF VARIOUS	MICROWAVE AND BLACK LIGHT FREQUENCIES ON THESE PHENOMENA	1085
RY MEAT WITH LYSOZYME, EDTA, X-RAY,	MICROWAVE AND CHLORINE	1324
LEBOX SIDE PREFERENCE DURING PULSED	MICROWAVE AND CONVENTIONAL AUDITORY CUES	0239
	MICROWAVE AND INFRA-RED EFFECTS ON HEART RATE, RESPIRATION RATE AN	0921
-INDUCED DORMANCY OF UREDOSPORES BY	MICROWAVE AND INFRARED IRRADIATION	3473
R APPLICATION TO THE MEASUREMENT OF	MICROWAVE AND INFRARED RADIATION	3547
A TERATOLOGICAL STUDY OF THE RAT:	MICROWAVE AND INFRARED RADIATIONS COMPARED	2754
OPHTHALMIC HAZARDS OF	MICROWAVE AND LASER ENVIRONMENTS	2572
OCULAR MEDICAL SURVEILLANCE ON	MICROWAVE AND LASER WORKERS	2112
USE OF	MICROWAVE AND LOWER FREQUENCY RF ENERGY FOR IMPROVING ALFALFA SEED	0848
	MICROWAVE AND MAN: THE DIRECT AND INDIRECT HAZARDS, AND THE PRECAU	2140
INTERACTION BETWEEN	MICROWAVE AND NEUROACTIVE COMPOUNDS	2663
PHYSICAL CHARACTERISTICS OF	MICROWAVE AND OTHER RADIO FREQUENCY RADIATION	1522
SEARCH ON THE BIOLOGICAL EFFECTS OF	MICROWAVE AND R. F. RADIATION	1551
EFFECTS OF	MICROWAVE AND RADIO FREQUENCY ENERGY ON THE CENTRAL NERVOUS SYSTEM	1538
INTERACTION OF	MICROWAVE AND RADIO FREQUENCY RADIATION WITH BIOLOGICAL SYSTEMS	1523
INTERACTION OF	MICROWAVE AND RADIO FREQUENCY RADIATION WITH MOLECULAR SYSTEMS	1533
INICAL MANIFESTATIONS ATTRIBUTED TO	MICROWAVE AND RADIO-FREQUENCY RADIATION	0484
INICAL MANIFESTATIONS ATTRIBUTED TO	MICROWAVE AND RADIO-FREQUENCY RADIATION	3144
INICAL MANIFESTATIONS ATTRIBUTED TO	MICROWAVE AND RADIO-FREQUENCY RADIATION	3622
INICAL MANIFESTATIONS ATTRIBUTED TO	MICROWAVE AND RADIO-FREQUENCY RADIATION, FIFTH SUPPLEMENT	3595
CLINICAL MANIFESTINGS ATTRIBUTED TO	MICROWAVE AND RADIO-FREQUENCY RADIATION, FOURTH SUPPLEMENT	3594
INICAL MANIFESTATIONS ATTRIBUTED TO	MICROWAVE AND RADIO-FREQUENCY RADIATION: COMPILATION AND INTEGRATI	0483

TECHNIQUES IN	MICROWAVE AND RADIOFREQUENCY HEATING OF TISSUES	2699
	MICROWAVE AND RADIOFREQUENCY PROTECTION STANDARDS	0106
A PUBLIC HEALTH APPROACH TO	MICROWAVE AND RADIOFREQUENCY RADIATION	0314
UATION OF THE BIOLOGICAL EFFECTS OF	MICROWAVE AND RADIOFREQUENCY RADIATION	0679
BIOLOGICAL EFFECTS OF	MICROWAVE AND RADIOFREQUENCY RADIATION	2368
BIOLOGICAL EFFECTS OF	MICROWAVE AND RADIOFREQUENCY RADIATION IN CRITICAL REVIEWS IN ENVI	3210
EWS ON MECHANISMS OF INTERACTION OF	MICROWAVE AND RADIOFREQUENCY RADIATION WITH LIVING SYSTEMS	2476
BIOLOGICAL EFFECTS OF	MICROWAVE AND RADIOFREQUENCY RADIATION	3206
INTERACTION OF	MICROWAVE AND RF ENERGY ON BIOLOGICAL MATERIAL	0777
WAVE RADIATION HAZARDS AROUND LARGE	MICROWAVE ANTENNA	0515
AN INVASIVE	MICROWAVE ANTENNA FOR LOCALLY-INDUCED HYPER- THERMIA FOR CANCER TH	0438
AVOIDANCE OF RADIATION HAZARDS FROM	MICROWAVE ANTENNAS	1223
NEAR-ZONE CALIBRATIONS FOR	MICROWAVE ANTENNAS + FIELD STRENGTH AND POWER DENSITY METERS	3298
	MICROWAVE APEXCARDIOGRAPHY	0383
A NONINVASIVE	MICROWAVE APNEA DETECTOR	0381
PIG SKIN IN TISSUE CULTURE, PART 1:	MICROWAVE APPARATUS FOR EXPOSING TISSUE AND THE EFFECT OF THE RADI	0523
	MICROWAVE APPARATUS FOR THE TREATMENT OF CANCER	0374
RADIATION EXPOSURE FROM INDUSTRIAL	MICROWAVE APPLICATIONS	0686
	MICROWAVE APPLICATIONS	2562
AGRICULTURAL	MICROWAVE APPLICATIONS RESEARCH	1193
IN DEEP-SEATED TUMORS BY A SPECIAL	MICROWAVE APPLICATOR	0335
THERAPEUTIC DIRECT-CONTACT 915-MHZ	MICROWAVE APPLICATOR FOR EFFECTIVE DEEP-TISSUE HEATING IN HUMANS	0049
SIGN CONSIDERATIONS FOR A DUEL-BEAM	MICROWAVE APPLICATOR FOR HYPERTHERMIA RESEARCH	0156
A	MICROWAVE APPLICATOR FOR IN VIVO RAPID INACTIVATION OF ENZYMES IN	1034
IBUTION PRODUCED IN MODELS BY THREE	MICROWAVE APPLICATORS AT 433.92 MHZ	0911
	MICROWAVE APPLICATORS HELP TREAT CANCER	0121
FEASIBILITY OF FOCUSED	MICROWAVE ARRAY SYSTEM FOR TUMOUR IRRADIATION	0296
MEASUREMENTS OF 1.8--2.7-GHZ	MICROWAVE ATTENUATION IN THE HUMAN TORSO	2538
	MICROWAVE ATTENUATION MEASUREMENTS AND STANDARDS	3571
L NERVOUS SYSTEM INVOLVEMENT IN THE	MICROWAVE AUDITORY EFFECT	1047
FURTHER STUDIES ON THE	MICROWAVE AUDITORY EFFECT	2823
	MICROWAVE AUDITORY EFFECT--A COMPARISON OF SOME POSSIBLE TRANSDUCT	0839
THE	MICROWAVE AUDITORY PHENOMENON	0399
	MICROWAVE BACKGROUND RADIATION	3229
NSTANT OF BIOLOGIC MATERIALS IN THE	MICROWAVE BAND	0883
	MICROWAVE BEHAVIOR OF PARTIALLY MAGNETIZED FERRITES	3355
EUROPHYSIOLOGICAL INVESTIGATIONS OF	MICROWAVE BIOEFFECTS AND CHANGES IN ELEMENTARY EXCITABLE STRUCTURE	1461
	MICROWAVE BIOEFFECTS AND RADIATION SAFETY., M.A. STUCHLY, EDITOR	2920
ROSES AND CABBAGES:	MICROWAVE BIOEFFECTS LITERATURE IN 1978	0198
URE CONTROLLED EXPOSURE CHAMBER FOR	MICROWAVE BIOEFFECTS RESEARCH	1283
	MICROWAVE BIOEFFECTS RESEARCH: HISTORICAL PERSPECTIVES ON PRODUCTI	0186
	MICROWAVE BIOEFFECTS RESEARCH: HISTORICAL PERSPECTIVES ON PRODUCTI	0275
ENGLISH SUMMARIES OF	MICROWAVE BIOEFFECTS WORK	3007
	MICROWAVE BIOEFFECTS. CURRENT STATUS AND CONCEPTS	2133
A CAVITY-BACKED SLOT RADIATOR FOR	MICROWAVE BIOLOGICAL EFFECT RESEARCH	1020
MENTAL MODELS FOR THE EVALUATION OF	MICROWAVE BIOLOGICAL EFFECTS	0625
QUANTITATION OF	MICROWAVE BIOLOGICAL EFFECTS	2665
TWO	MICROWAVE BIOLOGICAL EFFECTS EXPERIMENTS: HEART RATE AND MYOTATIC	1607
TRIPLINE TECHNIQUES IN THE STUDY OF	MICROWAVE BIOLOGICAL EFFECTS ON ISOLATED NEURAL PREPARATIONS	1213
RADIATORS FOR	MICROWAVE BIOLOGICAL EFFECTS RESEARCH-- WAVEGUIDE SLOT ARRAY WITH	2740
	MICROWAVE BIOLOGICAL EFFECTS UNDER REPRODUCIBLE DOSIMETRIC AND ENV	2389
THE USE OF MAGNETRON GENERATORS IN	MICROWAVE BIOLOGICAL RESEARCH	0691
PRIMATE-RESTRAINT DEVICE FOR USE IN	MICROWAVE BIOLOGICAL RESEARCH	1951
NEW TECHNIQUES FOR IMPLEMENTING	MICROWAVE BIOLOGICAL- EXPOSURE SYSTEMS	0446
ATIVE ASPECTS OF RADIOFREQUENCY AND	MICROWAVE BIOMEDICAL RESEARCH	1400
YTE DAMAGE CAUSED BY THE HAEMOTHERM	MICROWAVE BLOOD WARMER	0308
RACORPOREAL HEMOLYSIS OF BLOOD IN A	MICROWAVE BLOOD WARMER	0721
	MICROWAVE BOLUSING: A TECHNIQUE FOR IMPROVING HEATING UNIFORMITY	2528
	MICROWAVE CATARACT	1863
SELECTED CASES OF	MICROWAVE CATARACT IN MAN ASSOCIATED WITH CONCOMITANT ANNOTATED PA	0890
EXPERIMENTAL	MICROWAVE CATARACT: A REVIEW	1529
MECHANISM OF	MICROWAVE CATARACTOGENESIS IN RABBITS	2150
	MICROWAVE CATARACTOGENESIS	0401
	MICROWAVE CATARACTOGENESIS: A CRITICAL REVIEW OF THE LIT	0707
ON HYPOTHERMIC RABBITS: A STUDY OF	MICROWAVE CATARACTOGENIC MECHANISMS	1068

EXPERIMENTAL	MICROWAVE CATARACTS	0652
	MICROWAVE CATARACTS	0789
	MICROWAVE CATARACTS	1041
CLINICAL	MICROWAVE CATARACTS	1530
BIOCHEMICAL CHANGES IN EXPERIMENTAL	MICROWAVE CATARACTS	1867
GICAL CHANGES DURING DEVELOPMENT OF	MICROWAVE CATARACTS	2683
ARE	MICROWAVE CATARACTS THERMALLY CAUSED?	2684
	MICROWAVE CATARACTS--A CASE REPT. REEVALUATED	0772
COMPLEX FREQUENCY PERTURBATION OF A	MICROWAVE CAVITY CONTAINING A LOSSY LIQUID	1802
	MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS	0807
	MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS	3262
THE	MICROWAVE CONTROVERSY	0536
	MICROWAVE DEATH	0685
A	MICROWAVE DECOUPLED BRAIN-TEMPERATURE TRANSDUCER	0809
A	MICROWAVE DECOUPLED ELECTRODE FOR THE ELECTROENCEPHALOGRAM	0728
A COMPARISON OF	MICROWAVE DETECTION INSTRUMENTS	0776
SAFETY OF	MICROWAVE DEVICES	0583
SAFETY OF	MICROWAVE DEVICES	0585
SAFETY PROCEDURES FOR ALL OPEN BEAM	MICROWAVE DEVICES	2521
TY PROCEDURES FOR ALL CLOSED CAVITY	MICROWAVE DEVICES	2522
ATION AND USE OF RADIOFREQUENCY AND	MICROWAVE DEVICES IN THE FREQUENCY RANGE 10 MHZ - 300 GHZ	0284
PACEMAKER CAUSED BY SHORT WAVE AND	MICROWAVE DIATHERMIES AND PULSED HIGH FREQUENCY CURRENT	2087
A NEW DIRECT CONTACT APPLICATOR FOR	MICROWAVE DIATHERMY	0047
ANCE STUDY OF SPACED APPLICATORS IN	MICROWAVE DIATHERMY	1154
FREE SPACE AND SCATTERED FIELDS IN	MICROWAVE DIATHERMY	2212
RIZED DIRECT CONTACT APPLICATOR FOR	MICROWAVE DIATHERMY	2456
RADIATION HAZARDS FROM THERAPEUTIC	MICROWAVE DIATHERMY	2464
DY OF DIRECT-CONTACT APPLICATORS IN	MICROWAVE DIATHERMY	2742
	MICROWAVE DIATHERMY (OPERATOR MANUEL)	3376
REE-SPACE ELECTRIC FIELD MAPPING OF	MICROWAVE DIATHERMY APPLICATORS	0033
NEW TYPES OF	MICROWAVE DIATHERMY APPLICATORS--COMPARISON OF PERFORMANCE WITH CO	2674
MEASURED AND BIOLOGICALLY EFFECTIVE	MICROWAVE DIATHERMY DOSAGE	3368
	MICROWAVE DIATHERMY EQUIPMENT	2002
A LIMITED	MICROWAVE DIATHERMY FIELD SURVEY	0759
TEMPERATURE MEASUREMENT IN	MICROWAVE DIATHERMY FIELDS: PRINCIPLES AND PROBES	2459
SHORTWAVE AND	MICROWAVE DIATHERMY FOR DEEP-TISSUE HEATING	0205
ON THE DETERMINATION OF AN OPTIMUM	MICROWAVE DIATHERMY FREQUENCY FOR A DIRECT CONTACT APPLICATOR	3284
	MICROWAVE DIATHERMY IN OPTHALMOLOGY: CLINICAL EVALUATION	3370
COMPARATIVE STUDY OF SHORT WAVE AND	MICROWAVE DIATHERMY ON BLOOD FLOW	0565
THE EFFECTS OF	MICROWAVE DIATHERMY ON THE EYE OF THE RABBIT	3367
THE EFFECTS OF	MICROWAVE DIATHERMY ON THE EYE	3366
THE EFFECT OF	MICROWAVE DIATHERMY ON THE PERIPHERAL CIRCULATION AND ON TISSUE TE	0481
PERFORMANCE STANDARD FOR	MICROWAVE DIATHERMY PRODUCTS	3608
	MICROWAVE DIATHERMY: THE INVISIBLE HEALER	0119
	MICROWAVE DIELECTRIC LOSS OF BACILLUS SUBTILIS SPORES IN AQUEOUS S	0960
	MICROWAVE DIELECTRIC MEASUREMENTS	3462
ROZEN STATE: TIME DEPENDENCE OF ITS	MICROWAVE DIELECTRIC PROPERTIES	0901
	MICROWAVE DIELECTRIC PROPERTIES OF INSECTS AND GRAIN KERNELS	0840
	MICROWAVE DIELECTRIC PROPERTIES OF TISSUE	2770
	MICROWAVE DIELECTRIC RELAXATION OF AQUEOUS SOLUTIONS OF DEXTRAN	3403
NERVE STIMULATION BY IMPLANTED	MICROWAVE DIODE	1494
TECHNOLOGY ASSESSMENT AND	MICROWAVE DIODES	2961
DIFFICULTIES IN CERTIFICATION ON	MICROWAVE DISEASE (IN POL)	0324
TORING OF ARTERIAL WALL MOVEMENT BY	MICROWAVE DOPPLER RADAR	0283
EORETICAL DETERMINATION OF ABSORBED	MICROWAVE DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS IRRADIATED BY A	2590
	MICROWAVE DOSE-RESPONSE RELATIONSHIPS ON TWO BEHAVIORAL TASKS	1092
FIELD TRIAL OF RICHARDSON	MICROWAVE DOSIMETER	1568
MAMMALS: THE QUEST FOR A BIOLOGICAL	MICROWAVE DOSIMETER	2738
MAMMALS: THE QUEST FOR A BIOLOGICAL	MICROWAVE DOSIMETER	2897
PRELIMINARY STUDIES: FAR-FIELD	MICROWAVE DOSIMETRIC MEASUREMENTS OF A FULL-SCALE MODEL OF MAN	0432
	MICROWAVE DOSIMETRY	0654
CTS IN HIGH DIELECTRIC MATERIALS TO	MICROWAVE DOSIMETRY	1747
EVALUATION OF LITHIUM FLUORIDE FOR	MICROWAVE DOSIMETRY APPLICATIONS	2944
RISON OF TEMPERATURE PROBES USED IN	MICROWAVE DOSIMETRY STUDIES	0265
A	MICROWAVE DOSIMETRY SYSTEM FOR MEASURED SAMPLED INTEGRAL-DOSE RATE	0805

	MICROWAVE DOSIMETRY USING A LIQUID CRYSTAL TECHNIQUE	2963
	MICROWAVE DOSIMETRY WORKSHOP	3538
	MICROWAVE DOSIMETRY WORKSHOP JOINT U. S. ARMY/GEORGIA INSTITUTE OF	3218
RMY/GEORGIA INSTITUTE OF TECHNOLOGY	MICROWAVE DOSIMETRY WORKSHOP, JUNE 1972	3057
	MICROWAVE DRYING OF MICROORGANISMS: I. INFLUENCE OF THE MICROWAVE	1384
	MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION	1327
	MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION	2436
OCATION: METHOD OF DETERMINATION OF	MICROWAVE EFFECTS	1138
	MICROWAVE EFFECTS ON CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL	2388
	MICROWAVE EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF	0352
LOW POWER RADIO-FREQUENCY AND	MICROWAVE EFFECTS ON HUMAN ELECTROENCEPHALOGRAM AND BEHAVIOR	0132
PHARMACOLOGIC ANALYSIS OF	MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM IN EXPERIMENTAL A	1250
CURRENT STATUS OF	MICROWAVE EFFECTS ON THE BLOOD-BRAIN BARRIER	0360
	MICROWAVE EFFECTS ON THE BLOOD-FORMING SYSTEM WITH PARTICULAR REFE	1074
SE OF CONDITIONED REFLEXES TO STUDY	MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM	1249
ELECTROENCEPHALOGRAPHIC STUDIES OF	MICROWAVE EFFECTS ON THE NERVOUS SYSTEM	1063
LOW LEVEL	MICROWAVE EFFECTS ON THE TOTAL IRON BINDING CAPACITY OF PREGNANT R	2448
EPIDEMIOLOGIC STUDIES OF	MICROWAVE EFFECTS	0397
TO A LOW INTENSITY PULSED 9,400 MHZ	MICROWAVE ELECTROMAGNETIC FIELD	0415
NTATION OF INSECTS IN A NON-UNIFORM	MICROWAVE EM FIELD	1847
I. DOSIMETRIC QUANTITIES FOR RF AND	MICROWAVE EM FIELDS	1026
HYGIENIC PROBLEMS OF THE EFFECT OF	MICROWAVE EM FIELDS ON THE BODY	0586
F THE EFFECT OF RADIO-FREQUENCY AND	MICROWAVE EM FIELDS ON THE ENZYME-SUBSTRATE REACTION IN AQUEOUS SO	2481
EVALUATION OF PERSONNEL EXPOSED TO	MICROWAVE EMANATIONS	2895
EFFECT OF	MICROWAVE EMISSION ON THE CONTENT OF IRON, COPPER, COBALT AND META	1498
AN EVALUATION OF	MICROWAVE EMISSIONS FROM SENSORMATIC ELECTRONIC SECURITY SYSTEMS	0407
	MICROWAVE EMISSIONS IN THE AIR: ARE THEY A BIOLOGICAL TIME BOMB?	0801
COMBINED EFFECTS OF	MICROWAVE EMR AND OTHER FACTORS ON THE ORGANISM	2259
THE EFFECT OF	MICROWAVE EMR ON THE GROWTH OF MAMMALIAN CELLS IN TISSUE CULTURE	2514
EMENT OF ULTRAVIOLET, INFRARED, AND	MICROWAVE ENERGIES	0687
RADIO-FREQUENCY AND	MICROWAVE ENERGIES, MAGNETIC AND ELECTRIC FIELDS	2125
SIMULANTS IN ESTIMATING THE DOSE OF	MICROWAVE ENERGY	0499
SELECTED INDUSTRIAL APPLICATION OF	MICROWAVE ENERGY	0613
ATION OF ACOUSTIC SIGNALS BY PULSED	MICROWAVE ENERGY	0718
FROG HEART RATE TO PULSE MODULATED	MICROWAVE ENERGY	0844
SOME BIOLOGICAL EFFECTS OF	MICROWAVE ENERGY	0992
SENSATION AND PERCEPTION OF	MICROWAVE ENERGY	1376
ART IRRADIATED WITH PULSE MODULATED	MICROWAVE ENERGY	1804
TAL IRRADIATION OF MICE BY 2450-MHZ	MICROWAVE ENERGY	1805
SEED GERMINATION ENHANCEMENT USING	MICROWAVE ENERGY	1977
PERFRINGENS ON CHICKEN COOKED WITH	MICROWAVE ENERGY	2497
SENSITIVITY TO RADIO-FREQUENCY AND	MICROWAVE ENERGY	2953
ART IRRADIATED WITH PULSE MODULATED	MICROWAVE ENERGY	3390
ENT TEMPERATURE ON THE REDUCTION OF	MICROWAVE ENERGY ABSORPTION BY MICE	2762
	MICROWAVE ENERGY ABSORPTION IN TISSUE	0938
	MICROWAVE ENERGY ABSORPTION IN TISSUE	3230
MICROORGANISMS: I. INFLUENCE OF THE	MICROWAVE ENERGY AND OF THE SAMPLE THICKNESS ON THE DRYING OF YEAS	1384
BIOLOGICAL EFFECTS OF	MICROWAVE ENERGY AT 200 MC	3602
PRODUCED IN TISSUES BY EXPOSURE TO	MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AND 900 MEGACYCLES	3329
	MICROWAVE ENERGY DISTRIBUTION MEASUREMENTS IN PROXIMITY TO MAN AND	1098
VEN TEST LOAD EVALUATION OF INTERAL	MICROWAVE ENERGY DISTRIBUTION	3282
ATION OR BALANCE DEGRADATION DURING	MICROWAVE ENERGY EXPOSURE	0349
APPLICATIONS OF	MICROWAVE ENERGY TO CONTROL NEMATODES IN SOIL	1914
SOIL TREATMENT BY	MICROWAVE ENERGY TO DESTROY PLANT PATHOGENS	3471
CONVERSION OF ELECTROMAGNETIC	MICROWAVE ENERGY TO PHONON ENERGY	3479
E OF TOTAL AND DISTRIBUTED ABSORBED	MICROWAVE ENERGY UPON SIZE AND ORIENTATION OF RAT PHANTOMS IN WAVE	2194
SELECTED INDUSTRIAL APPLICATIONS OF	MICROWAVE ENERGY, BRH/DEP 70-10	3029
EATH AND TOTAL ABSORBED DOSE IN THE	MICROWAVE ENERGY	2882
THE COMPATIBILITY OF MAN IN THE	MICROWAVE ENVIRONMENT	0505
TION OF EXPOSURE SYSTEMS FOR RF AND	MICROWAVE EXPERIMENTATION	0056
MULATION OF THE ADRENAL AXIS IN THE	MICROWAVE EXPOSED RAT	1888
IMMUNOLOGICAL EFFECTS OF LOW	MICROWAVE EXPOSURE	0435
C ACID METABOLISM IN RATS FOLLOWING	MICROWAVE EXPOSURE	0482
E OF THE DOG TO 24,000 AND 1285 MHZ	MICROWAVE EXPOSURE	0617
BIOMEDICAL ASPECTS OF	MICROWAVE EXPOSURE	0703

MICROWAVE PUBLICATIONS

BIOLOGIC EFFECTS OF	MICROWAVE EXPOSURE	0829
HEALTH HAZARDS FROM	MICROWAVE EXPOSURE	1319
C ACTIVITY COINCIDENT WITH 2450 MHZ	MICROWAVE EXPOSURE	1323
BIOLOGICAL EFFECTS OF	MICROWAVE EXPOSURE	1525
D CENTRAL NERVOUS SYSTEM EFFECTS OF	MICROWAVE EXPOSURE	1600
PROTECTION GUIDES AND STANDARDS FOR	MICROWAVE EXPOSURE	1603
OF ANIMAL RESTRAINING MATERIALS ON	MICROWAVE EXPOSURE	1610
AR AND RETINAL CHANGES SECONDARY TO	MICROWAVE EXPOSURE	1861
PHYSIOLOGIC ADJUSTMENT TO	MICROWAVE EXPOSURE	2349
UREMENT OF BRAIN TEMPERATURE DURING	MICROWAVE EXPOSURE	2383
OGIC EFFECTS OF LONG-TERM, LOW-DOSE	MICROWAVE EXPOSURE	2398
ONSE OF BACILLUS SUBTILIS SPORES TO	MICROWAVE EXPOSURE	2407
RESPONSES OF BIOSYSTEMS TO CHRONIC	MICROWAVE EXPOSURE	2422
THE BEHAVIORAL EFFECTS OF LOW LEVEL	MICROWAVE EXPOSURE	2576
	MICROWAVE EXPOSURE ARRAY: IMPROVED FIELD MEASUREMENTS	2615
	MICROWAVE EXPOSURE FACILITY: MULTIPLE ANIMAL EXPOSURE AT EQUAL POW	1617
A REVIEW OF INTERNATIONAL	MICROWAVE EXPOSURE GUIDES	0771
CONTROL OF	MICROWAVE EXPOSURE IN CANADA	0115
CONTROL OF	MICROWAVE EXPOSURE IN CANADA	0116
THE EFFECT OF REPEATED	MICROWAVE EXPOSURE IN NEONATAL RATS	2885
NEAR ZONE	MICROWAVE EXPOSURE OF A BIOLOGICAL SPHERE	1309
SPECTROPHOTOMETRIC OBSERVATION AND	MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES	0871
SPECTROPHOTOMETRIC OBSERVATION AND	MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES	3383
THE EFFECT OF	MICROWAVE EXPOSURE ON BACTERIA MUTATION INDUCTION	2179
EFFECTS OF	MICROWAVE EXPOSURE ON BEHAVIOR AND RELATED PHENOMENA	0733
CT OF REPETITIVE PRENATAL LOW-LEVEL	MICROWAVE EXPOSURE ON DEVELOPMENT IN THE RAT	2677
THE INFLUENCE OF	MICROWAVE EXPOSURE ON FUNCTIONAL MATURATION OF THE RAT	2706
THE EFFECT OF REPEATED	MICROWAVE EXPOSURE ON NEONATAL RATS	2744
THE EFFECTS OF LOCALIZED	MICROWAVE EXPOSURE ON THE DOG THYROID	1606
THE EFFECTS OF	MICROWAVE EXPOSURE ON THYMIDINE UPTAKE IN ALBINO RATS	0719
AN INTERNATIONAL PROGRAM FOR	MICROWAVE EXPOSURE PROTECTION	0802
POWER VARIATIONS IN	MICROWAVE EXPOSURE RESULTING FROM DIFFERENT SOURCE GASES	1221
	MICROWAVE EXPOSURE SAFETY STANDARDS--PHYSIOLOGIC AND PHILOSOPHIC A	2992
	MICROWAVE EXPOSURE SYSTEM FOR BIOLOGICAL SPECIMENS	1495
A	MICROWAVE EXPOSURE SYSTEM FOR PRIMATES	2741
A COAXIAL AIR LINE	MICROWAVE EXPOSURE SYSTEM: RESPIRATORY ACTIVITY OF MITOCHONDRIA IR	2175
ATION OF LIFE DURING HIGH-INTENSITY	MICROWAVE EXPOSURES	0715
EFFECTS OF	MICROWAVE EXPOSURES ON THE CENTRAL NERVOUS SYSTEM OF BEAGLES	2510
A BIOLOGICAL SPECIMEN IN A 2450 MHZ	MICROWAVE FIELD	0744
MUSCLE ACTION IN BIRDS EXPOSED TO A	MICROWAVE FIELD	0760
NERVE IN EXCITABLE STATE IN	MICROWAVE FIELD	0794
PHARMACOLOGIC EFFECTS OF A PULSED	MICROWAVE FIELD	1274
THERMISTOR PROBE ERROR IN AN X-BAND	MICROWAVE FIELD	1818
A BIOLOGICAL SPECIMEN IN A 2450 MHZ	MICROWAVE FIELD	3091
ION OF CORTICAL NEURONS BY A PULSED	MICROWAVE FIELD AS EVIDENCED BY SPECTRAL ANALYSIS OF ELECTROCORTIC	1061
MEASURING THE STRENGTH OF THE	MICROWAVE FIELD IN A CAVITY	3499
INTERNAL DOSIMETRY AND EXTERNAL	MICROWAVE FIELD MEASUREMENTS USING MINIATURE ELECTRIC FIELD PROBES	2668
METHODS OF	MICROWAVE FIELD QUANTIFICATION FOR BIOLOGIC STUDIES	0881
TH NEUROCHORMONES AND IRRADIATED IN	MICROWAVE FIELD UNTIL THERMAL DEATH. (IN POLISH)	0354
INTERACTION OF A 2450-MHZ	MICROWAVE FIELD WITH THERMOCOUPLES AND THERMISTORS	1194
A BIOLOGICAL SPECIMEN IN A 2450 MHZ	MICROWAVE FIELD	3257
QUANTIFYING HAZARDOUS	MICROWAVE FIELDS	0118
RD FEATHERS AS SENSORY DETECTORS OF	MICROWAVE FIELDS	1543
SM UNDER EXPOSURE TO HIGH-INTENSITY	MICROWAVE FIELDS	2257
BY HUMANS EXPOSED TO LOW- INTENSITY	MICROWAVE FIELDS	2262
TWO LONG- TERM EXPOSURES OF MICE TO	MICROWAVE FIELDS (IN GERMAN)	2708
THODS OF DOSIMETRY AND MEASURING IN	MICROWAVE FIELDS (IN RUMANIAN)	2722
NATION AND ELIMINATION OF HAZARDOUS	MICROWAVE FIELDS ABOARD NAVAL SHIPS	0485
OGICAL MATERIALS AND INTERACTION OF	MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVEL	0873
PRINCIPLES OF INTERACTION OF	MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVEL	1255
PRINCIPLES OF INTERACTION OF	MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVEL	3270
ELD CONDITIONS AND PERTURBATIONS OF	MICROWAVE FIELDS BY LIVING ORGANISMS	2431
ACCURATE MEASUREMENT OF	MICROWAVE FIELDS FOR MEDICAL AND BIOLOGICAL APPLICATIONS	2391
SCATTERED	MICROWAVE FIELDS NEAR A FINITE, PLANAR, DIELECTRIC SLAB	2720
OME NONTHERMAL EFFECTS OF RADIO AND	MICROWAVE FIELDS ON BIOLOGICAL MEMBRANES	2691

EFFECT OF	MICROWAVE FIELDS ON MUSCLE CONTRACTION	1190
EFFECT OF 2450 MHZ	MICROWAVE FIELDS ON PERIPHERAL NERVES	2384
UDY OF THE ACTION OF THREE TYPES OF	MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT	1139
PONSE OF THE MICROLITE 287 PROBE TO	MICROWAVE FIELDS, BRH/DEP 70-20	3033
HIC MODIFICATIONS AFTER EXPOSURE TO	MICROWAVE FIELDS, ON THE WHITE RAT	1949
SURE OF SMALL ANIMALS TO PLANE-WAVE	MICROWAVE FIELDS	0420
QUANTIFYING HAZARDOUS	MICROWAVE FIELDS: ANALYSIS	1545
QUANTIFYING HAZARDOUS	MICROWAVE FIELDS: PRACTICAL CONSIDERATIONS	1546
A HYBRID FERRIMAGNETIC-DIELECTRIC	MICROWAVE FILTER	3352
	MICROWAVE FIXATION OF FETAL SPECIMENS	2767
PRELIMINARY REPT.:	MICROWAVE FIXATION OF HUMAN TISSUES	0908
RAPID	MICROWAVE FIXATION OF RAT BRAIN	0040
EXPERIMENTAL STUDIES ON THE USE OF	MICROWAVE FOR THE LOCALIZED HEAT TREATMENT OF THE PROSTRATE	0268
C MEASUREMENT METHODS FOR SOLIDS AT	MICROWAVE FREQENCIES	3334
TTIVITY OF BIOLOGICAL SUBSTANCES AT	MICROWAVE FREQUENCIES	0088
R OF SOME TYPES OF HUMAN TISSUES AT	MICROWAVE FREQUENCIES	0463
UR OF PURE WATER AND HUMAN BLOOD AT	MICROWAVE FREQUENCIES	0464
ATION BY DIELECTRIC MEASUREMENTS AT	MICROWAVE FREQUENCIES	0489
ENT OF POTENTIALLY HAZARDOUS EMR AT	MICROWAVE FREQUENCIES	0616
A FLUX-DENSITY SCALE FOR	MICROWAVE FREQUENCIES	0749
OLOGICAL MOLECULES AT RADIOWAVE AND	MICROWAVE FREQUENCIES	1304
ITTIVITY OF CONDUCTIVE MATERIALS AT	MICROWAVE FREQUENCIES	3141
C MEASUREMENT METHODS FOR SOLIDS AT	MICROWAVE FREQUENCIES	3463
ELECTRIC MEASUREMENTS OF LIQUIDS AT	MICROWAVE FREQUENCIES	3467
IVE CATARACTOGENIC POTENCIES OF TWO	MICROWAVE FREQUENCIES (2.45 AND 10 GHZ)	2157
ERMITTIVITY OF HIGH-LOSS LIQUIDS AT	MICROWAVE FREQUENCIES USING AN UNMATCHED PHASE CHANGER	3336
COMPLEX PERMITTIVITY OF LIQUIDS AT	MICROWAVE FREQUENCIES	3290
INTERACTION OF	MICROWAVE FREQUENCY AND POLARIZATION WITH ANIMAL SIZE	2196
DESIGN OF	MICROWAVE GAIN-STANDARD HORNS	3447
F DYE SENSITIZED PHOTOOXIDATION AND	MICROWAVE GENERATED SINGLET OXIDATION	2046
CURRING IN A TECHNICIAN OPERATING A	MICROWAVE GENERATOR	0600
ERNAL ORGANS OF PERSONNEL OPERATING	MICROWAVE GENERATORS	2263
THE DEVELOPMENT OF HYPERTHERMIA	MICROWAVE GENERATORS AND THERMOMETRY	2361
WER MONITOR FOR USE WITH HIGH POWER	MICROWAVE GENERATORS, (FDA) 73-8010, BRH/DEP 73-1	3039
	MICROWAVE HALL MOBILITY MEASUREMENTS ON HEAVY BEEF HEART MITOCHOND	0684
	MICROWAVE HAZARD CONTROL IN DESIGN	1548
	MICROWAVE HAZARD EVALUATION (A FIELD SURVEY FORM)	3549
	MICROWAVE HAZARD MEASUREMENTS NEAR VARIOUS AIRCRAFT RADARS	0779
METHODS OF CALIBRATING	MICROWAVE HAZARD METERS	0880
WHAT PROOF OF	MICROWAVE HAZARD?	2132
HEALTH SURVEILLANCE OF	MICROWAVE HAZARDS	0712
ENERGY DENSITY METER DEVELOPED FOR	MICROWAVE HAZARDS	1725
	MICROWAVE HAZARDS	1908
	MICROWAVE HAZARDS	2131
	MICROWAVE HAZARDS ASSOCIATED WITH SMALL DISCHARGE CAVITIES	1711
POSURE STANDARDS FOR RADIOFREQUENCY/	MICROWAVE HAZARDS CONTROL	2026
	MICROWAVE HAZARDS EVALUATION	0561
	MICROWAVE HAZARDS EVALUATION: CONCEPTS AND CRITERIA	1115
SOME CONSIDERATIONS OF	MICROWAVE HAZARDS EXPOSURE CRITERIA	0546
SAFETY FROM	MICROWAVE HAZARDS IN USING MICROWAVE POWER EQUIPMENT--AN IMPI POLI	1653
	MICROWAVE HAZARDS SURVEILLANCE AND CONTROL	0778
LINAL	MICROWAVE HAZARDS TO CARDIAC PACEMAKER WEARERS	0361
	MICROWAVE HAZARDS	0150
RESEARCHING	MICROWAVE HEALTH HAZARDS	3461
RAPHIC ASSESSMENT OF A HYPOTHESIZED	MICROWAVE HEARING MECHANISM	0302
	MICROWAVE HEARING: EVIDENCE FOR THERMOACOUSIC AUDITORY STIMULATION	0477
	MICROWAVE HEARING: THE RESPONSE OF SINGLE AUDITORY NEURONS IN THE	2758
F MOUSE BRAIN AFTER INACTIVATION BY	MICROWAVE HEATING	0902
RENCE TO THE ROLE OF ULTRASONIC AND	MICROWAVE HEATING	1225
LOSS OF VIABILITY OF PEAS CAUSED BY	MICROWAVE HEATING	2405
RATIONS IN GLIAL TUMORS PRODUCED BY	MICROWAVE HEATING	2531
OD FLOW IN GLIAL TUMORS PRODUCED BY	MICROWAVE HEATING	2534
OD FLOW IN GLIAL TUMORS PRODUCED BY	MICROWAVE HEATING AND TEMPERATURE GRADIENTS	2529
	MICROWAVE HEATING EFFECT ON THE DOG THYROID GLAND	1429
TEMPERATURE DISTRIBUTION WITH	MICROWAVE HEATING FOR A TWO-LAYER MODEL OF A BIOLOGICAL OBJECT	0626

	MICROWAVE HEATING IN ANIMALS AT 3.0 GHZ	2152
BEDDING OF LABELLED MICROSPHERES BY	MICROWAVE HEATING IN TISSUES OF HYPOTHERMIC DOGS	0434
	MICROWAVE HEATING OF MALIGNANT MOUSE TUMORS AND TISSUE EQUIVALENT	1116
EFFECT OF	MICROWAVE HEATING OF PRECOOKED CHICKEN ON CLOSTRIDIUM PERFRINGENS	2501
	MICROWAVE HEATING OF SIMULATED HUMAN LIMBS BY APERTURE SOURCES	2948
	MICROWAVE HEATING OF THE UTERINE WALL DURING PARTURITION	0467
	MICROWAVE HEATING OF THE UTERINE WALL DURING PARTURITION	3391
BOLUS FOR	MICROWAVE HEATING OF TISSUES	0154
AL NOTE: A MULTI-CHANNEL SYSTEM FOR	MICROWAVE HEATING OF TISSUES	0422
EFFECT OF CONVENTIONAL AND	MICROWAVE HEATING ON PSEUDOMONAS PUTREFACIENS, STREPTOCOCCUS FAECA	2693
	MICROWAVE HEATING PATTERNS IN SIMPLE TISSUE MODELS	2705
A	MICROWAVE HEATING SYSTEM FOR IMPROVING TEMPERATURE UNIFORMITY IN H	0238
THE USE OF	MICROWAVE HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE	1801
THE USE OF	MICROWAVE HEATING TO INACTIVATE CHOLINESTERASE IN THE RAT BRAIN PR	2518
	MICROWAVE HEATING: A STUDY OF THE CRITICAL EXPOSURE VARIABLES FOR	2913
	MICROWAVE HOLOGRAMS USING LIQUID CRYSTAL DISPLAYS	3361
	MICROWAVE HOLOGRAPHY USING LIQUID CRYSTAL AREA DETECTORS	3362
DEVICES FOR	MICROWAVE HYPERTHERMIA	0341
HIBITION OF VIRUS MULTIPLICATION BY	MICROWAVE HYPERTHERMIA	2065
OR IMPROVING HEATING UNIFORMITY FOR	MICROWAVE HYPERTHERMIA	2528
COMBINATION OF RADIOTHERAPY,	MICROWAVE HYPERTHERMIA AND CLOSTRIDIAL ONCOLYSIS ON EXPERIMENTAL M	0323
	MICROWAVE HYPERTHERMIA AND ONCOLYSIS BY CLOSTRIDIUM (IN GERMAN)	2634
	MICROWAVE HYPERTHERMIA AND THE VISUALLY EVOKED POTENTIALS: PRELIMI	2662
CHNIQUES FOR UNIFORM AND REPLICABLE	MICROWAVE HYPERTHERMIA OF A MODEL MOUSE CARCINOMA	0046
AN INTERSTITIAL DEVICE FOR	MICROWAVE HYPERTHERMIA OF HUMAN TUMORS	0329
A	MICROWAVE HYPERTHERMIA TREATMENT AND THERMOMETRY SYSTEM	0425
HIBITION OF TUMOR GROWTH IN MICE BY	MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND M	0053
HIBITION OF TUMOR GROWTH IN MICE BY	MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND COLCEMIDE	2753
IATION OF MULTIPLE MOUSE TUMORS FOR	MICROWAVE HYPERTHERMIA	0322
LE RADIATORS FOR CANCER THERAPY BY	MICROWAVE HYPERTHERMIA	0388
-80 DEGREES CELSIUS, AND THAWING BY	MICROWAVE ILLUMINATION	2698
THE USE OF 2450 MHZ OF	MICROWAVE IN CANCER THERAPY	0170
OUSE REGIONAL BRAIN FOLLOWING 300MS	MICROWAVE INACTIVATION	2526
	MICROWAVE INDUCED AVOIDANCE BEHAVIOR IN THE MOUSE	2167
RETICAL AND EXPERIMENTAL STUDI&S OF	MICROWAVE INDUCED CATARACTS IN RABBITS	2386
A SYSTEM FOR DEVELOPING	MICROWAVE INDUCED HYPERTHERMIA IN SMALL ANIMALS	2454
	MICROWAVE INDUCED TEMPERATURE RISES IN RABBIT EYES IN CATARACT RES	1271
STOMATAL RESPONSE TO	MICROWAVE INDUCED THERMAL STRESSES	0847
POTENTIAL	MICROWAVE INJURIES IN CLINICAL MED	1008
CUTANEOUS	MICROWAVE INJURY	1811
CUTANEOUS	MICROWAVE INJURY: REPORT OF TWO CASES	2838
	MICROWAVE INSTRUMENTATION BASED ON FREQUENCY PERTURBATION TECHNIQU	2936
LOW-LEVEL	MICROWAVE INTERACTION WITH ISOLATED MAMMALIAN HEARTS	2446
	MICROWAVE INTERACTION WITH THE AUDITORY SYSTEMS OF HUMANS AND CATS	1046
	MICROWAVE INTERFERENCE WITH THE FUNCTION OF AN IMPLANTED CARDIAC P	0260
DESIGN AND APPLICATION OF SPECIAL	MICROWAVE INTERFEROMETERS FOR NON-INVASIVE STUDIES OF BIOLOGICAL E	2409
CONSTANTS OF ABSORPTIVE LIQUIDS BY	MICROWAVE INTERFEROMETRY	3332
	MICROWAVE INTERROGATION OF DIELECTRIC TARGETS BY MICROWAVE TIME DE	3410
	MICROWAVE INTERROGATION OF DIELECTRIC TARGETS BY SCATTERING PARAME	3413
Y AND TEMPERATURE DISTRIBUTION IN A	MICROWAVE IRRADIATED BREAST CANCINOMA: PRELIMINARY RESULTS	0295
THE MEASUREMENT OF CAMP AND CGMP IN	MICROWAVE IRRADIATED CHEST AND HEART MUSCLES (IN JAPAN)	0087
CUMULATIVE EFFECTS IN RESPONSE TO	MICROWAVE IRRADIATION	0059
NERAL ANESTHETICS ON MICE FOLLOWING	MICROWAVE IRRADIATION	0246
NITOL IN THE RAT FOLLOWING 2450 MHZ	MICROWAVE IRRADIATION	0313
BEHAVIORAL SENSITIVITY TO	MICROWAVE IRRADIATION	0514
FECTS IN ISOLATED HEARTS INDUCED BY	MICROWAVE IRRADIATION	0526
ATION OF LYMPHOCYTES IN VITRO AFTER	MICROWAVE IRRADIATION	0574
REPT., 1959: THE NEURAL EFFECTS OF	MICROWAVE IRRADIATION	0610
EFFECTS IN RABBITS DURING LOW-LEVEL	MICROWAVE IRRADIATION	0695
OLLOWING RAPID TISSUE FIXATION WITH	MICROWAVE IRRADIATION	0810
HISTOCHEMISTRY AFTER HIGH INTENSITY	MICROWAVE IRRADIATION	0853
ICED BY DECAPITATION VERSUS FOCUSED	MICROWAVE IRRADIATION	0928
N ISOLATED TURTLE HEARTS INDUCED BY	MICROWAVE IRRADIATION	1029
GES IN CULTURED RABBIT LENSES AFTER	MICROWAVE IRRADIATION	1070
EDIATORS OF THE THERMAL RESPONSE TO	MICROWAVE IRRADIATION	1251

LS IN THE RAT CORPUS STRIATUM AFTER	MICROWAVE IRRADIATION	1518
ATIONS OF THE BIOLOGICAL EFFECTS OF	MICROWAVE IRRADIATION	1577
ALTERNATIVE METHODS OF SACRIFICE BY	MICROWAVE IRRADIATION	1620
TEMPERATURE CHANGES IN MICE DURING	MICROWAVE IRRADIATION	1695
M CONSTITUENTS IN THE RAT FOLLOWING	MICROWAVE IRRADIATION	1984
HANGES IN INDIVIDUALS WORKING UNDER	MICROWAVE IRRADIATION	2010
IN FOLLOWING TISSUE INACTIVATION BY	MICROWAVE IRRADIATION	2053
NIMAL ARRAY FOR EQUAL POWER DENSITY	MICROWAVE IRRADIATION	2127
OLOGICAL ALTERATIONS OBSERVED UNDER	MICROWAVE IRRADIATION	2290
NTS WHEN COMBINED WITH SIMULTANEOUS	MICROWAVE IRRADIATION	2325
ING OF NON-THERMAL CHRONIC PRENATAL	MICROWAVE IRRADIATION	2340
HEAT-DISSIPATION RATE OF MICE AFTER	MICROWAVE IRRADIATION	2376
OPIC OBSERVATIONS ON HAMSTERS AFTER	MICROWAVE IRRADIATION	2439
L MONKEYS (SAIMIRI SCIUREUS) DURING	MICROWAVE IRRADIATION	2539
AIN HISTAMINE CONTENT AFTER FOCUSED	MICROWAVE IRRADIATION	2591
INED AFTER TISSUE INACTIVATION WITH	MICROWAVE IRRADIATION	2596
S ON THE BLOOD- BRAIN BARRIER AFTER	MICROWAVE IRRADIATION	2678
S IN MOUSE BRAIN AND LUNG FOLLOWING	MICROWAVE IRRADIATION	2769
N HAMSTER BLOOD-BRAIN BARRIER AFTER	MICROWAVE IRRADIATION	2787
UNITS FOLLOWING INJURY BY 2450 MHZ	MICROWAVE IRRADIATION	3386
SE OF FETAL RATS FOLLOWING 2450 MHZ	MICROWAVE IRRADIATION	3387
AND DOPAMINE IN THE RAT BRAIN AFTER	MICROWAVE IRRADIATION	3416
TING FROM DIRECT HEALTH AND CHRONIC	MICROWAVE IRRADIATION	3468
ENERATION OF THE RAT ORGANISM UNDER	MICROWAVE IRRADIATION (2,400 MHZ). (IN RUS.)	0195
ATION OF THE ORGANISM OF RATS UNDER	MICROWAVE IRRADIATION (2400 MHZ)	0440
E OR SEROTONIN AND EXPOSED TO ACUTE	MICROWAVE IRRADIATION (IN POLISH)	0355
OF AMIDE I AND AMIDE II BANDS UNDER	MICROWAVE IRRADIATION (IN RUSSIAN)	1794
	MICROWAVE IRRADIATION AND AMBIENT TEMPERATURE INTERACT TO ALTER RA	0417
ACUTE	MICROWAVE IRRADIATION AND CATARACT FORMATION IN RABBITS AND MONKEY	1128
	MICROWAVE IRRADIATION AND ENDOCRINE FUNCTIONS	1275
	MICROWAVE IRRADIATION AND THE BLOOD-BRAIN BARRIER	0398
	MICROWAVE IRRADIATION AND THE CIRCADIAN RHYTHM OF BONE MARROW CELL	1814
OSINE MONOPHOSPHATE IN BRAIN AREAS:	MICROWAVE IRRADIATION AS A MEANS OF TISSUE FIXATION	0716
COMPARISON OF	MICROWAVE IRRADIATION AT 986 VERSUS 2450 MHZ FOR IN VIVO INACTIVAT	0085
A	MICROWAVE IRRADIATION CHAMBER FOR SCIENTIFIC STUDIES ON AGRICULTUR	2146
	MICROWAVE IRRADIATION DESIGN USING DIELECTRIC LENSES	1697
USE OF 300-MSEC	MICROWAVE IRRADIATION FOR ENZYME INACTIVATION: A STUDY OF EFFECTS	1202
EFFECTS OF CONTINUOUS AND PERIODIC	MICROWAVE IRRADIATION IN ACUTE TESTS	1363
EFFECTS OF CONTINUOUS AND PERIODIC	MICROWAVE IRRADIATION IN CHRONIC EXPERIMENTS	1364
BEHAVIORAL EFFECTS OF LOW LEVEL	MICROWAVE IRRADIATION IN THE CLOSED-SPACE SITUATION	1541
OCHESTER--THE BIOLOGICAL EFFECTS OF	MICROWAVE IRRADIATION IN THE DOG	1575
SOME BIOLOGICAL EFFECTS OF	MICROWAVE IRRADIATION IN THE RAT	0496
ICAL MANIFESTATIONS OF REACTIONS TO	MICROWAVE IRRADIATION IN VARIOUS OCCUPATIONAL GROUPS	0885
EFFECTS OF	MICROWAVE IRRADIATION IN VITRO ON CELL MEMBRANE PERMEABILITY	1256
BIOMEDICAL ASPECTS OF	MICROWAVE IRRADIATION OF MAMMALS	3604
	MICROWAVE IRRADIATION OF PLANT ROOTS IN SOIL	1785
A THEORETICAL INVESTIGATION OF	MICROWAVE IRRADIATION OF SEEDS IN SOIL	1125
L ARRANGEMENT FOR IN VIVO X-RAY AND	MICROWAVE IRRADIATION OF SMALL ANIMALS	2315
A DIELECTRIC LENS FOR EXPERIMENTAL	MICROWAVE IRRADIATION OF THE EYE	1067
	MICROWAVE IRRADIATION OF THE ISOLATED RAT HEART AFTER TREATMENT WI	2749
A STUDY OF THE EFFECTS OF	MICROWAVE IRRADIATION OF THE RAT TESTES	2185
	MICROWAVE IRRADIATION OF THE U.S. EMBASSY IN MOSCOW	0221
A BOLUSING TECHNIQUE FOR BATCH	MICROWAVE IRRADIATION OF TUMORS IN THE FAR FIELD	2453
TRANSIENT EFFECTS OF LOW-LEVEL	MICROWAVE IRRADIATION ON BIOELECTRIC MUSCLE CELL PROPERTIES AND ON	0874
INFLUENCE OF	MICROWAVE IRRADIATION ON CULTURED GLIOMA CELLS I. AN ENZYMATIC AND	0293
EFFECTS OF	MICROWAVE IRRADIATION ON EMBRYONIC BRAIN TISSUE	0905
EFFECTS OF	MICROWAVE IRRADIATION ON EMBRYONIC BRAIN TISSUE	2863
EFFECTS OF	MICROWAVE IRRADIATION ON ENZYMES AND METABOLITES IN MOUSE BRAIN	2466
THE THERMAL AND ATHERMAL EFFECTS OF	MICROWAVE IRRADIATION ON ERYTHROCYTES	0183
ANALEPTIC EFFECT OF	MICROWAVE IRRADIATION ON EXPERIMENTAL ANIMALS	1850
NDUCTED AT U. OF CALIF.--EFFECTS OF	MICROWAVE IRRADIATION ON INTERNAL TEMPERATURE AND VIABILITY IN MIC	1579
EFFECTS OF CHRONIC	MICROWAVE IRRADIATION ON MICE	2294
EFFECTS OF CHRONIC	MICROWAVE IRRADIATION ON MICE	2896
EFFECT OF CHRONIC	MICROWAVE IRRADIATION ON THE BLOOD FORMING SYSTEM OF GUINEA PIGS A	0622
LOGICAL AND HISTOCHEMICAL EFFECT OF	MICROWAVE IRRADIATION ON THE CENTRAL NERVOUS SYSTEM OF RABBITS AND	1492

MICROWAVE PUBLICATIONS

THE EFFECT OF 2450 MHZ	MICROWAVE IRRADIATION ON THE GROWTH OF MICE	0808
E●CE OF THE TEMPERATURE RESPONSE TO	MICROWAVE IRRADIATION ON THE INITIAL FUNCTIONAL STATE OF THE CNS	1459
THE EFFECT OF	MICROWAVE IRRADIATION ON THE TURNOVER RATE OF SERTONIN AND NOREPIN	0570
EFFECTS OF LOW-INTENSITY	MICROWAVE IRRADIATION ON THYROID AND ADRENAL FUNCTION IN RATS	3214
BIOLOGICAL DOSIMETRY OF 2450 MHZ	MICROWAVE IRRADIATION WITH MICE	1745
	MICROWAVE IRRADIATION, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MON	2347
PATHOPHYSIOLOGICAL ASPECTS OF	MICROWAVE IRRADIATION, PART 2: CRITICAL ANALYSIS OF THE LIT	0702
AN BODY WHEN ABSORBING NON-IONIZING	MICROWAVE IRRADIATION--WITH EMPHASIS ON THE EFFECT OF DIFFERENT SW	2191
HUMAN RESPONSES TO	MICROWAVE IRRADIATION-A REVIEW AND EVALUATION OF PUBLISHED REPORTS	3529
OF FETAL GROWTH OF RATS BY 2450 MHZ	MICROWAVE IRRADIATION	0222
NZYMES IN VIVO USING HIGH-INTENSITY	MICROWAVE IRRADIATION	0387
ING OF NON-THERMAL CHRONIC PRENATAL	MICROWAVE IRRADIATION	2881
TICULAR DEGENERATION AS A RESULT OF	MICROWAVE IRRADIATION	2891
ONSUMPTION OF MICE DURING AND AFTER	MICROWAVE IRRADIATION	2910
CUMULATIVE EFFECTS IN RESPONSE TO	MICROWAVE IRRADIATION	2918
	MICROWAVE IRRADIATION: A NEW RAPID TECHNIQUE FOR SEPARATING EPIDER	2825
OF BRAIN IN SITU BY HIGH INTENSITY	MICROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL STUDIES	1123
AL LENTICULAR OPACITIES PRODUCED BY	MICROWAVE IRRADIATIONS	0548
INFLUENCE OF LOW INTENSITY CHRONIC	MICROWAVE IRRADIATIONS	1445
ONCERNED WITH BIOLOGICAL EFFECTS OF	MICROWAVE IRRADIATIONS OF DIFFERENT FREQUENCIES	2520
BIOLOGICAL EFFECTS OF X-BAND	MICROWAVE IRRADIATIONS ON E. COLI	2814
EFFECTS OF REPEATED	MICROWAVE IRRADIATIONS TO THE ALBINO RABBIT EYE	2682
REGERATIVE REACTIONS IN RATS AFTER	MICROWAVE IRRADIATON (2400 MHZ)	2923
EFFECT OF HIGH-POWER DENSITY	MICROWAVE IRRADITION ON SOLUBLE PROTEINS OF THE RABBIT LENS	0179
	MICROWAVE IRRRADIATION APPARATUS DESIGN AND DOSIMETRY	2213
ATTERN AND ITS USE IN UNDERSTANDING	MICROWAVE LEAKAGE AND SURVEY TECHNIQUES	0773
OMPUTATION OF PERSONNEL EXPOSURE IN	MICROWAVE LEAKAGE FIELDS AND COMPARISON WITH PERSONNEL EXPOSURE ST	2392
	MICROWAVE LEAKAGE INDICATION	1148
	MICROWAVE LEAKAGE INSTRUMENTATION	1547
D ON COEFFICIENT OF TRANSMISSION OF	MICROWAVE LEAKAGE INTO BIOLOGICAL TISSUES	1150
	MICROWAVE LENS EFFECTS IN HUMANS	1000
	MICROWAVE LENS EFFECTS IN HUMANS, PART II: RESULTS OF FIVE-YEAR SU	0925
ALEPTICS ON THE OUTCOME OF AN ACUTE	MICROWAVE LESION ON MICE (IN RUSSIAN)	1630
SIMULTANEOUS	MICROWAVE LOCAL HEATING AND MICROWAVE THERMOGRAPHY: POSSIBLE CLINI	0264
THE TRONADO	MICROWAVE MACHINE: A FURTHER REPT	1969
	MICROWAVE MARKET FORCAST FOR 1978	3196
NONINVASIVE	MICROWAVE MEASUREMENT OF RESPIRATION	1329
	MICROWAVE MEASUREMENTS AND NEW TYPES OF DETECTORS FOR EVALUATION O	0580
PANEL DISCUSSION I:	MICROWAVE MEASUREMENTS METHODS AND STANDARDS FOR BIOLOGICAL RESEAR	1550
	MICROWAVE MEASUREMENTS OF THE LOSS IN LOW-LOSS DIELECTRICS	3331
	MICROWAVE METHOD FOR DETERMINING DIELECTRIC PARAMETERS OF LIVING B	0034
SIC PROBLEMS IN CASES OF SO-CALLED '	MICROWAVE NEUROSIS' (IN POLISH)	1846
EXPERIMENTAL	MICROWAVE OCULAR EFFECTS	1258
RESULTS OF CLINICAL SURVEYS FOR	MICROWAVE OCULAR EFFECTS (DHEW-FDA 73-8031)	2967
INVESTIGATION OF SINGLE-EXPOSURE	MICROWAVE OCULAR EFFECTS AT 3000 MHZ	1065
BIOLOGICAL EFFECT OF	MICROWAVE OF LOW INTENSITY	3065
EFFECT OF	MICROWAVE ON DEVELOPMENT OF GONADS AND ADRENAL GLANDS IN THE NEWBO	3415
D ANNUAL PROGRESS REPORT-EFFECTS OF	MICROWAVE ON MANKIND (RADC-TN-59-199) (AD-217618)	3050
EFFECTS OF	MICROWAVE ON THE CHICK EMBRYO	1467
THE EFFECT OF	MICROWAVE ON Y-MAZE LEARNING IN THE WHITE RAT	3503
ION EFFECT ON THE TESTES OF RATS BY	MICROWAVE OR ULTRASOUND-INDUCED HYPERTHERMIA	0125
EFFECT OF	MICROWAVE OR WATERBATH HYPERTHERMIA ON TUMOR GROWTH	2768
CARARACTS FOLLOWING USE OF	MICROWAVE OVEN	0782
ING BY EXPOSURE TO EMISSIONS FROM A	MICROWAVE OVEN	1151
BITRARY POLARIZATION-- EXAMPLE, THE	MICROWAVE OVEN	1192
ATED DRYING OF PLASTER CASTS WITH A	MICROWAVE OVEN	2849
SURVIVAL OF MICROBIAL FILMS IN THE	MICROWAVE OVEN	3425
EVALUATION OF EFFECTS OF THE	MICROWAVE OVEN (915 AND 2450 MHZ) AND RADAR (2810 AND 3050 MHZ) EM	0450
	MICROWAVE OVEN CONTROVERSY SIZZLES	3084
A	MICROWAVE OVEN FOR BEHAVIOURAL AND BIOLOGICAL RESEARCH: ELECTRICAL	1713
	MICROWAVE OVEN INTERFERENCE WITH CARDIAC PACEMAKERS	0552
	MICROWAVE OVEN IRRADIATION AS A METHOD FOR BACTERIAL DECONTAMINATI	2786
	MICROWAVE OVEN LABELING	1320
	MICROWAVE OVEN LEAKAGE: FEDERAL REGULATIONS SOON	0488
EFFECT OF	MICROWAVE OVEN ON FACIAL RADIODERMATITIS	2011

EFFECT OF	MICROWAVE OVEN ON IMPLANTED CARDIAC PACEMAKER	0513
. OF HEALTH, EDUCATION, AND WELFARE	MICROWAVE OVEN PERFORMANCE STANDARD	1817
PROTECTION AGAINST	MICROWAVE OVEN RADIATION LEAKAGE	0830
	MICROWAVE OVEN REPAIR: HAZARD EVALUATION	0774
THE	MICROWAVE OVEN SAFETY DEBATE	2471
RESULTS OF THE 1970	MICROWAVE OVEN SURVEY	2034
	MICROWAVE OVEN SURVEY RESULTS IN ARKANSAS DURING 1970	0710
	MICROWAVE OVEN TEST LOAD EVALUATION OF INTERAL MICROWAVE ENERGY DI	3282
ZARET'S 'CATARACTS FOLLOWING USE OF	MICROWAVE OVEN'	2652
ZARET'S 'CATARACTS FOLLOWING USE OF	MICROWAVE OVEN'	2653
ZARET'S 'CATARACTS FOLLOWING USE OF	MICROWAVE OVEN'	2654
ZARET'S 'CATARACTS FOLLOWING USE OF	MICROWAVE OVEN'	2655
ZARET'S 'CATARACTS FOLLOWING USE OF	MICROWAVE OVEN'	2656
ZARET'S 'CATARACTS FOLLOWING USE OF	MICROWAVE OVEN'	2657
UCTION AND EVALUATION OF A KIT-FORM	MICROWAVE OVEN, BRH/DEP 71-7	3038
ONITOR FOR THE AUTOMATIC CONTROL OF	MICROWAVE OVENS	0038
REMENTS OF EM RADIATION FIELDS NEAR	MICROWAVE OVENS	0571
D CONTROL OF EXPOSURES IN REPAIRING	MICROWAVE OVENS	0714
PROCEDURES FOR FIELD TESTING	MICROWAVE OVENS	1956
	MICROWAVE OVENS	1988
DS ASSOCIATED WITH THE OPERATION OF	MICROWAVE OVENS	2040
LUATION OF RADIATION EMISSIONS FROM	MICROWAVE OVENS	3053
YORK CITY HEALTH CODE PERTAINING TO	MICROWAVE OVENS	3623
	MICROWAVE OVENS (IN GERMAN)	1410
RVEY OF RESIDENTIAL AND COMMMERCIAL	MICROWAVE OVENS IN ORANGE COUNTY, CALIF	0683
LEAKAGE VARIATIONS FROM	MICROWAVE OVENS, BRH/DEP 70-11	3030
ABORATORY TESTING AND EVALUATION OF	MICROWAVE OVENS, BRH/DEP 70-25	3034
SPURIOUS RADIATION FROM	MICROWAVE OVENS	0347
LEAKAGE VARIATIONS FROM	MICROWAVE OVENS	3228
	MICROWAVE OVENS: A POTENTIAL RISK TO PATIENTS WITH CARDIAC PACEMA	3579
	MICROWAVE OVENS: COOKING WITH YOUR FINGERS CROSSED	2930
	MICROWAVE OVENS: NOT RECOMMENDED	1986
	MICROWAVE OVENS: WHAT'S COOKING?	0936
	MICROWAVE PASTEURIZATION OF MILK	0918
PARISON OF THE USA, USSR AND POLISH	MICROWAVE PERMISSIBLE EXPOSURE STANDARDS	1012
ATURATED WITH POLYMER SOLUTIONS VIA	MICROWAVE POWER	0723
UOUS MONITOR OF DANGEROUS LEVELS OF	MICROWAVE POWER	0800
	MICROWAVE POWER APPLICATIONS IN THE WORLD: PRESENT AND FUTURE	0372
A	MICROWAVE POWER CONTROLLER FOR A RADIATION BIO-EFFECTS EXPOSURE FA	3384
	MICROWAVE POWER DENSITY ABSORPTION IN A SPHERICAL MULTILAYERED MOD	2198
PRECISE	MICROWAVE POWER DENSITY CALIBRATION METHOD USING THE POWER EQUATIO	3625
ECT OF INSTRUMENT AVERAGING TIME ON	MICROWAVE POWER DENSITY MEASUREMENTS	0614
A BROAD-BAND ISOTROPIC PROBE FOR	MICROWAVE POWER DENSITY MEASUREMENTS	2437
ECT OF INSTRUMENT AVERAGING TIME ON	MICROWAVE POWER DENSITY MEASUREMENTS, BRH/DEP 70-12	3031
DEVELOPMENT OF LIQUID CRYSTAL	MICROWAVE POWER DENSITY METER	2850
DEVELOPMENT OF LIQUID CRYSTAL	MICROWAVE POWER DENSITY METER	3358
ADOUT FOR A COMMERCIAL THERMOCOUPLE	MICROWAVE POWER DENSITY PROBE	0589
ROELECTRIC PROBE FOR MEASUREMENT OF	MICROWAVE POWER DENSITY UNDER FAR-FIELD CONDITIONS	1102
PRECISE CALIBRATION OF PLANE-WAVE	MICROWAVE POWER DENSITY USING POWER EQUATION TECHNIQUES	0057
ATION LEAKAGE CONTROL OF INDUSTRIAL	MICROWAVE POWER DEVICES	0788
ETY FROM MICROWAVE HAZARDS IN USING	MICROWAVE POWER EQUIPMENT--AN IMPI POLICY STATEMENT	1653
A MINIATURE PORTABLE	MICROWAVE POWER MONITOR	1146
TAL FIBEROPTIC RF PROBES, PART 2: A	MICROWAVE POWER PROBE	1724
THE RECEIVING ANTENNA AND	MICROWAVE POWER RECTIFICATION	2934
	MICROWAVE POWER TRANSMISSION FROM AN ORBITING SOLAR POWER STATION	2933
MAPPING OF	MICROWAVE POWER TRANSMITTED THROUGH THE HUMAN THORAX	0290
ADVANCES IN THE USE OF	MICROWAVE POWER, SEMINAR PAPER NO. 008	3045
CONTROL OF GRAIN INSECTS BY	MICROWAVE POWER	3066
LECTRIC PROPERTIES OF MATERIALS FOR	MICROWAVE PROCESSING-TABULATED	3259
FIED RADIOMETER FOR TEMPERATURE AND	MICROWAVE PROPERTIES MEASUREMENTS OF BIOLOGICAL SUBSTANCES	2410
TEMPERATURE DEPENDENCE OF THE	MICROWAVE PROPERTIES OF AQUEOUS SOLUTIONS OF ETHYLENE GLYCOL BETWE	0172
	MICROWAVE PROPERTIES OF CRYOPROTECTANTS	3412
	MICROWAVE PROPERTIES OF FRESH MAMMALIAN BRAIN TISSUES AT BODY TEMP	1282
T OF GROWING RATS IRRADIATED WITH A	MICROWAVE PULSE FIELD	0182
COCHLEAR MICROPHONICS GENERATED BY	MICROWAVE PULSES	1207

MICROWAVE PUBLICATIONS

GNALS IN MATERIALS IRRADIATED WITH	MICROWAVE PULSES--A THEORETICAL ANALYSIS	2441
GATIVE TEST FOR MUTAGENIC ACTION OF	MICROWAVE RAD. IN DROSOPHILA MELANOGASTER	0368
ENERGY DENSITIES OF	MICROWAVE RADIATING SYSTEMS	3459
OD BRAIN BARRIER PERMEABILITY AFTER	MICROWAVE RADIATION	0021
R SYSTEM AS AFFECTED BY EXPOSURE TO	MICROWAVE RADIATION	0063
BRH UPDATE ON BIOEFFECTS OF	MICROWAVE RADIATION	0074
PERIMENTALLY INDUCED BY EXPOSURE TO	MICROWAVE RADIATION	0455
LE INDUSTRIAL HAZARDS IN THE USE OF	MICROWAVE RADIATION	0497
THYROID PATHOPHYSIOLOGY OF	MICROWAVE RADIATION	0537
ATIONS OF THE BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	0543
BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	0576
CELLULAR AND LONGEVITY EFFECTS OF	MICROWAVE RADIATION	0577
OF NONTHERMAL BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	0578
PECIFICATION OF ALLOWABLE LEVELS OF	MICROWAVE RADIATION	0628
ECIAL DEGENERATIVE FORM PRODUCED BY	MICROWAVE RADIATION	0651
OF THE CORNEA FOLLOWING EXPOSURE TO	MICROWAVE RADIATION	0663
HEALTH HAZARDS FROM	MICROWAVE RADIATION	0697
BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	0708
HYPOGONADISM AFTER	MICROWAVE RADIATION	0726
CAL EFFECTS OF LOW INTENSITY PULSED	MICROWAVE RADIATION	0790
EXPOSURE OF BACTERIA TO 2450 MHZ	MICROWAVE RADIATION	0793
FOR DOSIMETRY STUDIES OF HAZARDOUS	MICROWAVE RADIATION	0858
NALYSIS OF OCCUPATIONAL EXPOSURE TO	MICROWAVE RADIATION	0876
GENERAL EFFECTS OF	MICROWAVE RADIATION	0894
MEASUREMENTS OF	MICROWAVE RADIATION	0897
POSURE AND PUBLIC HEALTH ASPECTS OF	MICROWAVE RADIATION	0898
EXPOSURE OF RABBIT ERYTHROCYTES TO	MICROWAVE RADIATION	0903
ANGES IN THE RABBIT LENS INDUCED BY	MICROWAVE RADIATION	1069
E JAPANESE QUAIL EMBRYO TO 2.45-GHZ	MICROWAVE RADIATION	1088
BEHAVIORAL EFFECTS OF PULSED	MICROWAVE RADIATION	1096
DULLARY ACTIVATION BY LOW-INTENSITY	MICROWAVE RADIATION	1111
NEUROPHYSIOLOGICAL EFFECT OF 3-CM	MICROWAVE RADIATION	1118
MEDICAL DIAGNOSTIC APPLICATIONS OF	MICROWAVE RADIATION	1191
DE AMNESIA: EFFECTS OF HANDLING AND	MICROWAVE RADIATION	1201
SYSTEMS AS SOURCES OF ENVIRONMENTAL	MICROWAVE RADIATION	1284
GES IN RAT LIVER FOLLOWING 2450 MHZ	MICROWAVE RADIATION	1314
VARIATIONS OF HEMOPOIESIS DUE TO	MICROWAVE RADIATION	1346
S RELATED TO HEALTH IMPLICATIONS OF	MICROWAVE RADIATION	1368
S RELATED TO HEALTH IMPLICATIONS OF	MICROWAVE RADIATION	1369
LONG-EVANS RATS EXPOSED TO 2450 MHZ	MICROWAVE RADIATION	1433
ECTS OF CONTINUOUS AND INTERMITTENT	MICROWAVE RADIATION	1449
NEURAL EFFECTS OF	MICROWAVE RADIATION	1465
CELLULAR EFFECTS OF	MICROWAVE RADIATION	1536
NTAL RADIATION CATARACTS INDUCED BY	MICROWAVE RADIATION	1574
AYERED SPHERE MODELS EXPOSED TO UHF/	MICROWAVE RADIATION	1715
	MICROWAVE RADIATION	1776
HAVIORAL CHANGES OF RATS EXPOSED TO	MICROWAVE RADIATION	1848
N PERSONS OCCUPATIONALLY EXPOSED TO	MICROWAVE RADIATION	1854
NERVOUS SYSTEM TO 'SAFE' LEVELS OF	MICROWAVE RADIATION	1929
RRATIONS OF LIVING CELLS INDUCED BY	MICROWAVE RADIATION	1962
ATION OF DNA EXPOSED TO 2450 MHZ CW	MICROWAVE RADIATION	1972
OF REPORTED PHYSIOLOGIC EFFECTS OF	MICROWAVE RADIATION	1985
	MICROWAVE RADIATION	2017
ENVIRONMENTAL ASPECTS OF	MICROWAVE RADIATION	2138
BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	2139
TORY UNIT RESPONSES TO WEAK, PULSED	MICROWAVE RADIATION	2145
OF BEHAVIOR BY LOW LEVELS OF PULSED	MICROWAVE RADIATION	2161
FEATHERS AS DIELECTRIC RECEPTORS OF	MICROWAVE RADIATION	2218
NDER THE INFLUENCE OF LOW-INTENSITY	MICROWAVE RADIATION	2260
NDER THE INFLUENCE OF LOW-INTENSITY	MICROWAVE RADIATION	2261
HE PATHOLOGICAL PROCESSES CAUSED BY	MICROWAVE RADIATION	2266
W OF RUSSIAN WORK ON THE HAZARDS OF	MICROWAVE RADIATION	2286
PERFORMANCE EFFECTS OF CHRONIC	MICROWAVE RADIATION	2288
VITREO-RETINAL INJURIES DUE TO	MICROWAVE RADIATION	2311
CHROMOSOMAL ABERRATIONS BY 2450 MHZ	MICROWAVE RADIATION	2344

EMISSION AND EXPOSURE STANDARDS FOR	MICROWAVE RADIATION		2380
OF NONTHERMAL BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION		2387
F RATS EXPOSED TO LOW POWER DENSITY	MICROWAVE RADIATION		2412
RESPONSE OF THE NERVOUS SYSTEM TO	MICROWAVE RADIATION		2484
E BIOLOGICAL EFFECTS OF EXPOSURE TO	MICROWAVE RADIATION		2500
ON BLOOD FLOW IN TUMORS HEATED WITH	MICROWAVE RADIATION		2530
OCULAR EFFECTS OF	MICROWAVE RADIATION		2570
OCULAR EFFECTS OF	MICROWAVE RADIATION		2571
BIOLOGICAL EFFECTS AND HAZARDS OF	MICROWAVE RADIATION		2616
E-OPERANT AVOIDANCE AND ESCAPE FROM	MICROWAVE RADIATION		2659
UNDER REPEATED EXPOSURE TO 915 MHZ	MICROWAVE RADIATION		2672
MICE UNDER DIFFERING DOSE RATES OF	MICROWAVE RADIATION		2745
DITORY NEURONS IN THE CAT TO PULSED	MICROWAVE RADIATION		2758
IN RATS AFTER MULTIPLE EXPOSURES TO	MICROWAVE RADIATION		2763
LL CULTURE EXPOSED TO 2450 MHZ (CW)	MICROWAVE RADIATION		2799
HOLDER DURING EXPOSURE TO 2450 MHZ	MICROWAVE RADIATION		2821
ROTRACTED LOW DOSE PRENATAL 915 MHZ	MICROWAVE RADIATION		2864
VISIT TO USSR ON THE SUBJECT OF	MICROWAVE RADIATION		2868
THE INTERRUPTION OF PREGNANCY USING	MICROWAVE RADIATION		2876
CONTROL OF HAZARDS TO HEALTH FROM	MICROWAVE RADIATION		3190
E BIOLOGICAL EFFECTS OF EXPOSURE TO	MICROWAVE RADIATION		3389
SPECTS OF THE BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION		3458
SOVIETS EXPOSE MOSCOW EMBASSY TO	MICROWAVE RADIATION		3599
Y STUDY OF THE CUMULATIVE EFFECT OF	MICROWAVE RADIATION	(2,450 MHZ) ON THE IMMUNE RESPONSE OF THE MOUS	0312
IPHERAL BLOOD OF THE RAT EXPOSED TO	MICROWAVE RADIATION	(2400 MHZ) IN CONDITIONS OF CHRONIC EXPOSURE	0682
THE EFFECT OF	MICROWAVE RADIATION	(2450 MHZ) ON THE MORPHOLOGY AND CHROMOSOMES O	2751
EFFECT OF	MICROWAVE RADIATION	(2MHZ) ON THE PITUTITARY-TESTICULAR AXIS IN TH	3400
CS OF CRAYFISH STRETCH RECEPTOR FOR	MICROWAVE RADIATION	(IN JAPANESE)	1948
	MICROWAVE RADIATION	(IN POLISH)	1622
BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	(IN POLISH)	2354
	MICROWAVE RADIATION	(MR) HEATING OF SURFACE TUMORS	2322
FOLLOWING OCCUPATIONAL EXPOSURE TO	MICROWAVE RADIATION	(RADAR) 1950-1974	2681
DEVELOPMENT OF DOSIMETRY FOR RF AND	MICROWAVE RADIATION	- II: CALCULATIONS OF ABSORBED DOSE DISTRIBUTI	3600
DEVELOPMENT OF DOSIMETRY FOR RF AND	MICROWAVE RADIATION	- III: DOSE RATE DISTRIBUTION IN TISSUE SPHERE	3601
MEASUREMENT OF	MICROWAVE RADIATION	ABSORBED BY BIOLOGICAL SYSTEMS, 1, ANALYSIS OF	2729
MEASUREMENT OF	MICROWAVE RADIATION	ABSORBED BY BIOLOGICAL SYSTEMS, 2, ANALYSIS BY	2730
	MICROWAVE RADIATION	ALTERS PERISTALTIC ACTIVITY OF ISOLATED SEGMEN	2748
	MICROWAVE RADIATION	AND CHLORDIAZEPOXIDE: SYNERGISTIC EFFECTS ON F	0103
COMPARATIVE STUDY OF THE EFFECTS OF	MICROWAVE RADIATION	AND CONVENTIONAL HEATING ON THE REPRODUCTIVE C	2925
RADIO AND	MICROWAVE RADIATION	AND EXPERIMENTAL ATHEROSCLEROSIS	0678
PHYSICAL ENVIRONMENTAL FACTORS (	MICROWAVE RADIATION	AND HIGH VOLTAGE TRANSMISSION LINE EFFECTS)	2369
	MICROWAVE RADIATION	AND HUMAN TOLERANCE: A REVIEW	0598
SELECTED BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	AND IDENTIFICATION OF POTENTIALLY SUSCEPTIBLE	3557
	MICROWAVE RADIATION	AND OTHER HARMFUL FACTORS OF WORKING ENVIRONME	1138
LOW INTENSITY	MICROWAVE RADIATION	AND THE VIRULENCE OF AGROBACTERIUM TUMEFACIENS	0022
EPHRINE ASSESSED THROUGH THE USE OF	MICROWAVE RADIATION	AS A MEANS OF TISSUE FIXATION	2517
MORTALITY IN RATS EXPOSED TO CW	MICROWAVE RADIATION	AT 0.95, 2.45, 4.54, AND 7.44 GHZ	1388
TO RIBONUCLEASE DURING EXPOSURE TO	MICROWAVE RADIATION	AT 1.70 AND 2.45 GHZ	3382
AL DAMAGE EXPERIMENTALLY INDUCED BY	MICROWAVE RADIATION	AT 55 MW/CM2	0181
OLIC CHANGES UNDER THE INFLUENCE OF	MICROWAVE RADIATION	AT HIGH INTENSITIES	2258
CHARACTERISTICS OF THE INFLUENCE OF	MICROWAVE RADIATION	AT HIGH INTENSITIES ON THE ORGANISM	2256
FEATHERS AS DIELECTRIC RECEPTORS OF	MICROWAVE RADIATION	AT KU-BAND FREQUENCIES	1830
BEHAVIORAL AND THERMAL EFFECTS OF	MICROWAVE RADIATION	AT RESONANT AND NONRESONANT WAVELENGTHS	2761
EFFECTS OF	MICROWAVE RADIATION	AT THE CELLULAR AND MOLECULAR LEVEL	0896
DISCUSSION: EFFECTS OF	MICROWAVE RADIATION	AT THE CELLULAR AND MOLECULAR LEVEL	3268
DETERMINATION OF THE ABSORPTION OF	MICROWAVE RADIATION	BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWA	0744
DETERMINATION OF THE ABSORPTION OF	MICROWAVE RADIATION	BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWA	3091
DETERMINATION OF THE ABSORPTION OF	MICROWAVE RADIATION	BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWA	3257
JAPANESE QUAIL EMBRYOS TO 2.45-GHZ	MICROWAVE RADIATION	DURING DEVELOPMENT	2547
NITY OF JAPANESE QUAIL SUBJECTED TO	MICROWAVE RADIATION	DURING EMBRYOGENY	2589
RESPONSES OF THE MOUSE TO	MICROWAVE RADIATION	DURING ESTROUS CYCLE AND PREGNANCY	0930
E JAPANESE QUAIL EMBRYO TO 2.45 GHZ	MICROWAVE RADIATION	DURING THE SECOND DAY OF DEVELOPMENT	1321
QUANTITATION OF	MICROWAVE RADIATION	EFFECTS ON THE EYES OF RABBITS AT 2450 MHZ AND	1858
	MICROWAVE RADIATION	EFFECTS PROGRAM	0747
STUDY OF NONIONIZING	MICROWAVE RADIATION	EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BE	0277

MICROWAVE PUBLICATIONS

ICATION TO BIOLOGICAL SYSTEMS UNDER	MICROWAVE RADIATION EXPOSURE	2291
HE REACTION OF LUMINOUS BACTERIA TO	MICROWAVE RADIATION EXPOSURES IN THE FREQUENCY RANGE OF 2608.7-308	3220
AN INVESTIGATION OF THE USE OF	MICROWAVE RADIATION FOR PULMONARY DIAGNOSTICS	1241
EMISSION OF INTENSE	MICROWAVE RADIATION FROM AN AUTOMODULATED RELATIVISTIC ELECTRON BE	0956
FOR EXPOSURE TO HAZARDOUS LEVELS OF	MICROWAVE RADIATION FROM HIGH POWER SOURCES	1422
FOR EXPOSURE TO HAZARDOUS LEVELS OF	MICROWAVE RADIATION FROM HIGH POWER SOURCES	3251
NEW TECHNIQUES FOR	MICROWAVE RADIATION HAZARD MONITORING	0539
	MICROWAVE RADIATION HAZARDS	0466
SOME TECHNICAL ASPECTS OF	MICROWAVE RADIATION HAZARDS	0542
A REVIEW OF	MICROWAVE RADIATION HAZARDS AND SAFETY STANDARDS	1262
	MICROWAVE RADIATION HAZARDS AROUND LARGE MICROWAVE ANTENNA	0515
	MICROWAVE RADIATION HAZARDS PROBLEMS IN THE U. S. ARMY	1566
PROTECTIVE MEASURES FOR	MICROWAVE RADIATION HAZARDS: 750 TO 30,000 MC	0530
RIC TRANSDUCERS AND AS RECEPTORS OF	MICROWAVE RADIATION I. BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TR	2458
RIC TRANSDUCERS AND AS RECEPTORS OF	MICROWAVE RADIATION II. BIRD FEATHERS AS DIELECTRIC RECEPTORS OF	2218
E DISTRIBUTIONS INDUCED BY 2450 MHZ	MICROWAVE RADIATION IN A TRILAYERED SPHERICAL PHANTOM	1816
DIATOR TO INVESTIGATE THE EFFECT OF	MICROWAVE RADIATION IN BIOLOGICAL SYSTEMS	1175
THE UTILIZATION OF	MICROWAVE RADIATION IN DEVELOPMENTAL BIOLOGY RESEARCH	2877
NERVOUS AND BEHAVIORAL EFFECTS OF	MICROWAVE RADIATION IN HUMANS	0568
NERVOUS AND BEHAVIORAL EFFECTS OF	MICROWAVE RADIATION IN HUMANS	3234
DIAGNOSTIC APPLICATION OF	MICROWAVE RADIATION IN PULMONARY MEDICINE	2202
OL OF APPETITIVE BEHAVIOR BY PULSED	MICROWAVE RADIATION IN RATS	2164
VIORAL EFFECTS OF CHRONIC LOW LEVEL	MICROWAVE RADIATION IN RATS	2165
	MICROWAVE RADIATION IN RELATION TO BIOLOGICAL SYSTEMS AND NEURAL A	3603
STUDY OF THE BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION IN RELATION TO THE EYE	0732
WHOLE-BODY DOSIMETRY OF	MICROWAVE RADIATION IN SMALL ANIMALS: THE EFFECT OF BODY MASS AND	2736
PROBLEM OF THE BIOLOGICAL EFFECT OF	MICROWAVE RADIATION IN THE DEPT. OF PHYSICAL INJURY AT THE INST. O	1922
THE USE OF	MICROWAVE RADIATION IN THE DETERMINATION OF ACETYLCHOLINE IN THE R	2516
TO A NON-THERMAL LEVEL OF 2450 MHZ	MICROWAVE RADIATION IN THE PREGNANT RAT	2865
NON-THERMAL EFFECT OF	MICROWAVE RADIATION IN VITRO ON PERITONEAL MAST CELLS OF THE RAT	2033
C AND THERMOREGULATORY RESPONSES TO	MICROWAVE RADIATION IN YOUNG MALE RATS	1434
	MICROWAVE RADIATION INSTRUMENTATION	0178
RADIOFREQUENCY AND	MICROWAVE RADIATION LEVELS RESULTING FROM MAN-MADE SOURCES IN THE	0913
	MICROWAVE RADIATION NOT KNOWN TO BE TERATOGENIC	2592
	MICROWAVE RADIATION NOT KNOWN TO BE TERATOGENIC	2926
	MICROWAVE RADIATION OF 10 MW/CM AND FACTORS THAT INFLUENCE BIOLOGI	2137
ANGE ON SURVIVAL OF RATS EXPOSED TO	MICROWAVE RADIATION OF 24,000 MEGACYCLES	0469
BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION OF 24,000 MEGACYCLES	2136
HIGH POWER PULSED AND LOW LEVEL CW	MICROWAVE RADIATION ON AN OPERANT BEHAVIOR IN RATS	1310
EFFECTS OF	MICROWAVE RADIATION ON APLYSIAN GANGLION CELLS	2421
THE EFFECTS OF	MICROWAVE RADIATION ON BEHAVIOR AND TEMPERATURE IN RHESUS MONKEYS	2158
EFFECTS OF LOW-LEVEL	MICROWAVE RADIATION ON BEHAVIORAL BASELINES	1094
NON-THERMAL EFFECTS OF	MICROWAVE RADIATION ON BIRDS	0761
EFFECT OF	MICROWAVE RADIATION ON BIRDS	0762
EFFECT OF	MICROWAVE RADIATION ON CELLS TREATED WITH MEMBRANE-INJURING SUBSTA	2717
EFFECT OF	MICROWAVE RADIATION ON CEREBRAL CATECHOLAMINE METABOLISM (IN RUSS	0011
CYTOGENETIC EFFECTS OF	MICROWAVE RADIATION ON CHINESE HAMSTERS	3056
EFFECTS OF 2450 MHZ	MICROWAVE RADIATION ON CULTIVATED RAT KANGAROO CELLS	1537
AND POST-NATAL EXPOSURES TO 918 MHZ	MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVIOR IN RATS	2700
EFFECTS OF 2.6-4.0 GHZ	MICROWAVE RADIATION ON E-COLI B	2797
EFFECTS OF	MICROWAVE RADIATION ON EGGS, EMBRYOS AND CHICKENS	2059
THRESHOLD EFFECTS OF	MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS	1090
EFFECTS OF	MICROWAVE RADIATION ON ENZYMES	1081
EFFECTS OF	MICROWAVE RADIATION ON ENZYMES	2390
EFFECTS OF LOW-LEVEL	MICROWAVE RADIATION ON GERMINATION AND GROWTH RATE IN CORN SEEDS	2692
EFFECT OF 2450 MHZ	MICROWAVE RADIATION ON HORSERADISH PEROXIDASE	0923
EFFECTS OF 2450 MHZ	MICROWAVE RADIATION ON HUMAN BLOOD COAGULATION PROCESSES	0676
BIOLOGICAL THERMAL EFFECT OF	MICROWAVE RADIATION ON HUMAN EYES	2151
EFFECTS OF INTENSE	MICROWAVE RADIATION ON LIVING ORGANISMS	0460
EFFECTS OF LOW INTENSITY	MICROWAVE RADIATION ON MAMMALIAN SERUM PROTEINS	0922
GEVITY STUDY OF THE EFFECTS OF 3-CM	MICROWAVE RADIATION ON MICE	0737
EFFECT OF 2,450 MHZ	MICROWAVE RADIATION ON MICROORGANISMS	2815
THE EFFECTS OF	MICROWAVE RADIATION ON MICROTUBULES AND AXONAL TRANSPORT	2064
STEADY STATE EFFECTS OF	MICROWAVE RADIATION ON MOLECULES OF BIOLOGICAL IMPORTANCE	2976
THE EFFECT OF	MICROWAVE RADIATION ON MORPHOLOGY AND FUNCTION OF RAT TESTIS	2893

RECT MECHANISM FOR THE INFLUENCE OF	MICROWAVE RADIATION ON NEUROELECTRIC POTENTIALS	2559
THE INFLUENCE OF	MICROWAVE RADIATION ON NORMAL AND NEOPLASTIC CELLS	2602
EFFECT OF	MICROWAVE RADIATION ON PENTOBARBITAL-INDUCED SLEEPING TIME	2171
ATION MEASUREMENT OF THE EFFECTS OF	MICROWAVE RADIATION ON PROTEINS	2295
THE IN VIVO EFFECTS OF 2.45 GHZ	MICROWAVE RADIATION ON RABBIT SERUM COMPONENTS AND SLEEPING TIMES	0634
OF THE EFFECTS OF CHRONIC LOW LEVEL	MICROWAVE RADIATION ON RABBITS	1127
EFFECT OF 2450 MHZ	MICROWAVE RADIATION ON SOME SOIL MICROORGANISMS IN SITU	1918
GATIONS OF THE EFFECTS OF LOW-LEVEL	MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RATS	1093
THERMAL AND ATHERMAL EFFECTS OF	MICROWAVE RADIATION ON THE ACTIVITY OF GLUCOSE-6-PHOSPHATE DEHYDRO	1982
HARMFUL EFFECTS OF	MICROWAVE RADIATION ON THE BONE MARROW	1279
EFFECTS OF LOW LEVEL	MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT OF THE RAT	0370
THE ACTION OF	MICROWAVE RADIATION ON THE EYE	0457
THE EFFECT OF	MICROWAVE RADIATION ON THE EYE	2472
EFFECT OF	MICROWAVE RADIATION ON THE FROG SCIATIC NERVE	3192
INFLUENCE OF	MICROWAVE RADIATION ON THE HEMATOPOIETIC SYSTEM	1278
EFFECT OF	MICROWAVE RADIATION ON THE HEMOPOIETIC SYSTEM OF THE RAT	2005
EFFECT OF CHRONIC. LOW LEVEL	MICROWAVE RADIATION ON THE INCIDENCE OF CATARACT FORMATION	3021
EFFECTS OF	MICROWAVE RADIATION ON THE LENS EPITHELIUM IN THE RABBIT EYE	1044
INFLUENCE OF	MICROWAVE RADIATION ON THE NERVOUS SYSTEM AND BEHAVIOR	0895
INFLUENCE OF	MICROWAVE RADIATION ON THE ORGANISM OF MAN AND ANIMALS (TRANSLATIO	3520
EMPERATURE AND AVERAGE DOSE RATE OF	MICROWAVE RADIATION ON THE OXYGEN-CONSUMPTION RATE OF MICE	0369
BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION ON THE TESTES OF SWISS MICE	1268
THE EFFECT OF CHRONIC, LOW-LEVEL	MICROWAVE RADIATION ON THE TESTICLES OF MICE	2385
THE EFFECT OF CHRONIC, LOW-LEVEL	MICROWAVE RADIATION ON THE TESTICLES OF MICE	2892
EFFECTS OF	MICROWAVE RADIATION ON THE VISUAL ORGAN	2265
STUDY OF THE BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION ON THE WHITE RAT AND MOUSE	1891
EFFECTS OF	MICROWAVE RADIATION ON TISSUE- A SURVEY OF BASIC MECHANISMS	3204
EFFECTS OF	MICROWAVE RADIATION ON TISSUE--A SURVEY OF BASIC MECHANISMS	0820
A PROGRAM TO STUDY THE EFFECTS OF	MICROWAVE RADIATION ON VARIOUS BIOLOGICAL SYSTEMS	0704
ECTS OF CONTINUOUS AND INTERMITTENT	MICROWAVE RADIATION ON WEIGHT AND ARTERIAL PRESSURE DYNAMICS OF AN	1446
ARE MOUSE FETUSES WHICH SURVIVE	MICROWAVE RADIATION PERMANENTLY AFFECTED THEREBY?	1247
ANNUAL REPT. OF	MICROWAVE RADIATION RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA	0725
IS TODAY'S STANDARD FOR	MICROWAVE RADIATION SAFE FOR HUMANS?	0560
THE PRACTICE OF	MICROWAVE RADIATION SAFETY	1152
	MICROWAVE RADIATION SAFETY STANDARDS IN EASTERN EUR	0700
OF SEX, AGE, AND WEIGHT OF MICE TO	MICROWAVE RADIATION SENSITIVITY	1120
PRIMATE RESTRAINT CHAIR FOR USE IN	MICROWAVE RADIATION STUDIES	1218
USE OF	MICROWAVE RADIATION TO STUDY PLANT-ENVIRONMENT INTERACTIONS	1803
THE RELATION OF DOSE RATE OF	MICROWAVE RADIATION TO THE TIME OF DEATH AND TOTAL ABSORBED DOSE I	0849
TERMINATION OF ENERGY ABSORPTION OF	MICROWAVE RADIATION USING THE COOLING CURVE TECHNIQUE	1820
TERMINATION OF ENERGY ABSORPTION OF	MICROWAVE RADIATION USING THE COOLING CURVE TECHNIQUE	3256
A PROPOSAL FOR A	MICROWAVE RADIATION WARNING SIGN	1698
FOR THE BIOMOLECULAR ABSORPTION OF	MICROWAVE RADIATION WITH FUNCTIONAL IMPLICATIONS	1022
INTERACTION OF RADIOFREQUENCY AND	MICROWAVE RADIATION WITH LIVING SYSTEMS	0109
MITTEE ON THE BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION, 1ST REPT	1739
THE EFFECTS OF	MICROWAVE RADIATION, HYPERTHERMIA, AND L-ASCORBIC ACID ON EHRLICH	0044
EFFECTS AND HEALTH IMPLICATIONS OF	MICROWAVE RADIATION, RICHMOND, VA., SEPT. 17-19, 1969--A REVIEW	0722
BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION, WITH PARTICULAR REFERENCE TO THE EYE	2869
F BARLEY SEED RADIOSENSITIVITY WITH	MICROWAVE RADIATION--I. EFFECT OF MOISTURE CONTENT AND POST-RADIA	1961
DEVELOPMENT OF DOSIMETRY FOR RF AND	MICROWAVE RADIATION--I: DOSIMETRIC QUANTITIES FOR RF AND MICROWAVE	1026
DEVELOPMENT OF DOSIMETRY FOR RF AND	MICROWAVE RADIATION--II: CALCULATIONS OF ABSORBED DOSE DISTRIBUTIO	1027
DEVELOPMENT OF DOSIMETRY FOR RF AND	MICROWAVE RADIATION--III: DOSE RATE DISTRIBUTION IN TISSUE SPHERES	1028
LOGIC EFFECTS AND HEALTH HAZARDS OF	MICROWAVE RADIATION--WARSAW, POLAND, 15-18 OCTOBER, 1973	1688
	MICROWAVE RADIATION-INDUCED CHROMOSOMAL ABERRATIONS IN CORNEAL EPI	0098
	MICROWAVE RADIATION-MEDICAL SURVEILLANCE	2536
	MICROWAVE RADIATION-PATTERN MEASUREMENTS IN THE PRESENCE OF BIOLOG	0442
IN RHESUS MONKEYS EXPOSED TO PULSED	MICROWAVE RADIATION	0254
STANDARDS FOR	MICROWAVE RADIATION	0365
N RESEARCH ON BIOLOGICAL EFFECTS OF	MICROWAVE RADIATION	0395
M'S BEHAVIORAL REACTIONS INDUCED BY	MICROWAVE RADIATION	0433
ETAL RAT DEVELOPMENT IN RESPONSE TO	MICROWAVE RADIATION	2899
MICE UNDER DIFFERING DOSE RATES OF	MICROWAVE RADIATION	2900
NONTHERMAL EFFECTS OF	MICROWAVE RADIATION	2905
HEALTH HAZARDS FROM OVEREXPOSURE TO	MICROWAVE RADIATION	3068
LOGIC EFFECTS AND HEALTH HAZARDS OF	MICROWAVE RADIATION	3069

MICROWAVE PUBLICATIONS

SYSTEMS AS SOURCES OF ENVIRONMENTAL	MICROWAVE RADIATION	3237
	MICROWAVE RADIATION: AN EPIDEMIOLOGIC ASSESSMENT	3145
NONTHERMAL EFFECTS OF	MICROWAVE RADIATION: EXPERIMENTS WITH ENZYMES	2293
NONTHERMAL EFFECTS OF	MICROWAVE RADIATION: EXPERIMENTS WITH LABORATORY ANIMALS	2292
BIOLOGICAL ASPECTS OF	MICROWAVE RADIATION: A REVIEW OF HAZARDS	0606
DICAL ASPECTS OF RADIOFREQUENCY AND	MICROWAVE RADIATION: A REVIEW OF SELECTED SOVIET, EAST EUROPEAN, A	2148
PHYSIOLOGICAL HAZARDS OF	MICROWAVE RADIATION: A SURVEY OF PUBLISHED LIT	0940
FOCUSSED	MICROWAVE RADIATION: A TECHNIQUE TO MINIMIZE POST MORTEM CHANGES O	1326
EVIDENCE FOR NONTHERMAL EFFECTS OF	MICROWAVE RADIATION: ABNORMAL DEVELOPMENT OF IRRADIATED INSECT PUP	0456
	MICROWAVE RADIATION: AN EPIDEMIOLOGIC ASSESSMENT	0406
	MICROWAVE RADIATION: BIOPHYSICAL CONSIDERATIONS AND STANDARDS CRIT	1703
THROUGH EARLY LIFE TO 2450 MHZ (CW)	MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES	2902
EXPOSURE OF RATS TO 425 MHZ (CW)	MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES	2903
IMMUNE RESPONSE OF MICE TO 2450-MHZ	MICROWAVE RADIATION: OVERVIEW OF IMMUNOLOGY AND EMPIRICAL STUDIES	2756
UDIES ON THE BIO-MEDICAL EFFECTS OF	MICROWAVE RADIATION: PAST, PRESENT AND FUTURE	2438
HAZARDS OF	MICROWAVE RADIATIONS	0547
FOR EXPOSURE TO RADIO FREQUENCY AND	MICROWAVE RADIATIONS	1789
EFFECTS OF	MICROWAVE RADIATIONS ON HATCHABILITY AND GROWTH OF TURKEYS	1974
HISTOLOGICAL STUDIES ON EFFECTS OF	MICROWAVE RADIATIONS ON TISSUES OF THE CENTRAL NERVOUS SYSTEM	2552
COMPARISON OF IONIZING AND	MICROWAVE RADIATIONS WITH RESPECT TO THEIR EFFECTS ON THE RODENT E	2359
CONFERENCE REPORT: RADIO AND	MICROWAVE RADIATIONS, APPLICATIONS AND POTENTIAL HAZARDS	3051
	MICROWAVE RADIATIONS	3372
THE EFFECT OF 2450 MHZ	MICROWAVE RADIATON ON LIVER ADENOSINE TRIPHOSPHATE (ATP)	0812
	MICROWAVE RADIOMETRIC MEASUREMENTS OF THE TEMPERATURE INSIDE A BOD	2414
A	MICROWAVE RADIOMETRIC METHOD FOR THE STUDY OF THE SEMICONDUCTOR PR	2337
	MICROWAVE RADIOMETRIC TECHNIQUES: A MEANS TO EXPLORE THE POSSIBLIL	1669
DETECTION OF BREAST CANCER BY	MICROWAVE RADIOMETRY	2750
	MICROWAVE RADIOMETRY AND ITS POTENTIAL APPLICATIONS IN BIOLOGY AND	1614
EORY AND PRELIMINARY EXPERIMENTS ON	MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS	1748
SOME SPECIAL APPLICATIONS OF	MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS	2829
	MICROWAVE RADIOMETRY: ITS POSSIBLE BIOMEDICAL APPLICATION	0332
COLOUR THERMOGRAPHY AND	MICROWAVE RADIOMETRY: THEIR APPLICATION TO BIOLOGICAL SYSTEMS UNDE	2291
YSTEMS OF BIOLOGICAL TISSUES IN THE	MICROWAVE RANGE	0605
F 'EFFECT OF EM OSCILLATIONS IN THE	MICROWAVE RANGE ON THE IRON, COPPER, AND ALLIED METALLOPROTEIN CON	2841
AMETERS OF BIOLOGICAL TISSUE IN THE	MICROWAVE RANGE, REPORT 2. METHODS OF GAUGING ELECTRICAL PARAMETER	3488
PARISON OF THE EFFECTS OF DIFFERENT	MICROWAVE RANGES IN PULSE-CODE MODULATION AND CONTINUOUS GENERATIO	1365
RS AS PIEZOELECTRIC TRANSDUCERS AND	MICROWAVE RECEPTORS	2816
	MICROWAVE REFLECTION AND DIFFRACTION BY MAN	0884
	MICROWAVE REFLECTION DIFFRACTION AND TRANSMISSION BY MAN	0824
EHAVIOUR OF METHYL PALMITATE IN THE	MICROWAVE REGION	3482
PROPERTIES OF THE HUMAN BODY IN THE	MICROWAVE REGION OF THE SPECTRUM	0475
CIDS AND THEIR METHYL ESTERS IN THE	MICROWAVE REGION	3201
STYROFOAM CAGES FOR RATS USED IN	MICROWAVE RESEARCH: COATING WITH QUININE	1009
STYROFOAM CAGES FOR RATS USED IN	MICROWAVE RESEARCH: COATING WITH QUININE	2904
E ELEMENT IN AN ACTIVE FABROY-PEROT	MICROWAVE RESONATOR	3308
	MICROWAVE SATURATION EFFECTS ON PARAMAGNETIC CENTERS OF PROTEINS I	1476
	MICROWAVE SCATTERING PARAMETER IMAGERY OF AN ISOLATED CANINE KIDNE	0307
	MICROWAVE SELECTIVE BRAIN HEATING	0806
EYES OF RABBITS EXPOSED TO TYPICAL	MICROWAVE SOURCES	1864
REPAIRMEN OF	MICROWAVE SOURCES	3186
RADIATION HAZARDS FROM	MICROWAVE SOURCES WITH MOBILE ANTENNAS: CERTAIN TECHNICAL PROBLEMS	0882
THE NEURAL AND HORMONAL RESPONSE TO	MICROWAVE STIMULATION OF PERIPHERAL NERVES	1540
YSIOLOGICAL EFFECTS OF THERMODE AND	MICROWAVE STIMULATION OF PERIPHERAL NERVES	2513
EXPOSURE TO RADIO FREQUENCY FIELDS.	MICROWAVE STUDIES	0967
CURRENT	MICROWAVE STUDIES	2255
	MICROWAVE STUDY SHOWS NO BEHAVIORAL EFFECTS	1287
ON AND IN VIVO ROTATIONAL MOTION: A	MICROWAVE STUDY	3265
ND RESPONSE TIME IN THE NARDA 81100	MICROWAVE SURVEY INSTRUMENT, BRH/DEP N71-2	3040
	MICROWAVE SURVEY INSTRUMENTATION	3184
R THE EVALUATION AND CALIBRATION OF	MICROWAVE SURVEY INSTRUMENTS	0058
R THE EVALUATION AND CALIBRATION OF	MICROWAVE SURVEY INSTRUMENTS	2205
A FREE-SPACE FOCUSED	MICROWAVE SYSTEM TO DETERMINE THE COMPLEX PERMITTIVITY OF MATERIAL	3341
IZED HYPERTHERMIA USING AN INVASIVE	MICROWAVE SYSTEM	0226
USE OF	MICROWAVE TECHNIQUES FOR THE DETERMINATION OF BOUND WATER	3207
CANCER THERAPY, DETECTION AIDED BY	MICROWAVE TECHNOLOGY	1172

	MICROWAVE TERATOGENESIS IN MICE	2358
	MICROWAVE THAWING OF CELLS AND ORGANS	1260
APPLICATIONS OF	MICROWAVE THAWING TO THE RECOVERY OF DEEP FROZEN CELLS AND ORGANS:	0680
	MICROWAVE THERAPY AND MUSCLE BLOOD FLOW IN MAN	1156
Y CLINICAL RESULTS OF 433 MEGAHERTZ	MICROWAVE THERAPY AND RADIATION THERAPY ON PATIENTS WITH ADVANCED	2336
	MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA	1963
S AND INTRA-UTERINE DEATH FOLLOWING	MICROWAVE THERAPY IN EARLY PREGNANCY, ANIMAL EXPERIMENTS (IN GERMA	0670
TEMPERATURE CHANGES GENERATED BY	MICROWAVE THERAPY IN THE THIGHS OF HUMAN SUBJECTS	1157
RADIATION AND	MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCER	0012
RATIVE ASSESSMENT OF ULTRASOUND AND	MICROWAVE THERAPY OF CHRONIC TONSILLITIS IN EPILEPTIC PATIENTS	1928
	MICROWAVE THERAPY OF INFLAMMATION OF THE GENITALS	2353
	MICROWAVE THERAPY: STRAY RADIATION, SAFETY AND EFFECTIVE- NESS	0427
A NEW RADIATION BALANCE	MICROWAVE THERMOGRAPH FOR SIMULTANEOUS AND INDEPENDENT TEMPERATURE	0255
	MICROWAVE THERMOGRAPHY	2524
	MICROWAVE THERMOGRAPHY	3315
	MICROWAVE THERMOGRAPHY: APPLICATION TO THE DETECTION OF BREAST CAN	0066
TANEOUS MICROWAVE LOCAL HEATING AND	MICROWAVE THERMOGRAPHY: POSSIBLE CLINICAL APPLICATIONS	0264
	MICROWAVE THERMOGRAPHY: PRINCIPLES, METHODS AND CLINICAL APPLICATI	0261
	MICROWAVE TIME DELAY SPECTROSCOPIC IMAGERY OF ISOLATED CANINE KIDN	0423
ERROGATION OF DIELECTRIC TARGETS BY	MICROWAVE TIME DELAY SPECTROSCOPY	3410
	MICROWAVE TISSUE COAGULATOR	0193
A PARTIAL INVENTORY OF	MICROWAVE TOWERS, BROADCASTING TRANSMITTERS, AND FIXED RADAR BY ST	2851
A PARTIAL INVENTORY OF	MICROWAVE TOWERS, BROADCASTING TRANSMITTERS, AND FIXED RADAR BY ST	3227
	MICROWAVE TRANSMISSION THROUGH NORMAL AND TUMOR CELLS	0039
HIGH-POWER	MICROWAVE TUBES	0833
	MICROWAVE ULTRASONICS	3378
	MICROWAVE USES ON CAMPUS: A STUDY OF ENVIRONMENTAL HAZARDS	0677
ESS AND VESTIBULAR DYSFUNCTION IN A	MICROWAVE WORKER	0917
A STUDY OF THE HEALTH STATUS OF	MICROWAVE WORKERS	0887
RETINAL CHANGES IN	MICROWAVE WORKERS	0891
LENTICULAR CHANGES IN	MICROWAVE WORKERS	1862
OF LENS TRANSLUCENCY IN JUVENILES,	MICROWAVE WORKERS AND AGE-MATCHED GROUPS	0892
EFFECT OF DIATHERMY (SHORTWAVE AND	MICROWAVE) ON BONE GROWTH IN THE ALBINO RAT	3371
TIONS ON THE EFFECT OF NONIONIZING (	MICROWAVE) RADIATION	2331
WATER 60 DEGREES CELSIUS, INFRARED,	MICROWAVE , AND ULTRASOUND)	0932
INTERNAL CURRENT GAIN IN	MICROWAVE-BIASED GALLIUM-DOPED SILICON 8-14 MM IR DETECTORS	3354
COLI AND SOLMONELLA TYPHIMURIUM IN	MICROWAVE-COOKED SOUPS	0814
	MICROWAVE-EVOKED BRAINSTEM POTENTIALS IN CATS	0371
THEORETICAL ANALYSIS OF	MICROWAVE-GENERATED AUDITORY EFFECTS IN ANIMALS AND MAN	2149
	MICROWAVE-INDUCED ACOUSTIC EFFECTS IN MAMMALIAN AUDITORY SYSTEMS A	1072
STUDIES ON THE	MICROWAVE-INDUCED AUDITORY EFFECT	0306
	MICROWAVE-INDUCED AUDITORY RESPONSE--COCHLEAR MICROPHONICS	2153
ON OF FREQUENCIES AND THRESHOLDS OF	MICROWAVE-INDUCED AUDITORY SIGNALS	2759
CHARACTERISTICS OF	MICROWAVE-INDUCED COCHLEAR MICROPHONICS	2757
	MICROWAVE-INDUCED COCHLEAR MICROPHONICS IN CATS	1158
	MICROWAVE-INDUCED HAZARDOUS NONLINEAR THERMOELASTIC VIBRATIONS OF	0114
ON	MICROWAVE-INDUCED HEARING SENSATION	2402
	MICROWAVE-INDUCED HEARING: SOME PRELIMINARY THEORETICAL OBSERVATIO	0850
ENTRAL N ERVOUS SYSTEM RESPONSES TO	MICROWAVE-INDUCED HEATING	2430
ORIENTATION EFFECTS ON	MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHEMICAL CORRELATES	2800
	MICROWAVE-INDUCED HYPERTHERMIA AS AN ADJUVANT TO CANCER THERAPY	1161
	MICROWAVE-INDUCED HYPERTHERMIA DOSE DEFINITION	0043
	MICROWAVE-INDUCED HYPERTHERMIA IN CANCER TREATMENT: APPARATUS AND	3418
A SYSTEM FOR DEVELOPING	MICROWAVE-INDUCED HYPERTHERMIA IN SMALL ANIMALS	2922
	MICROWAVE-INDUCED INJURIOUS EFFECTS ON THE HUMAN- EMBRYO IN UTERO	3422
EVALUATION OF POSSIBLE	MICROWAVE-INDUCED LENS CHANGES IN THE UNITED STATES AIR FORCE	1381
EFFECTS OF	MICROWAVE-INDUCED LOCAL HYPERTHERMIA ON MAMMARY ADENOCARCINOMA IN	1238
ADVANCES IN	MICROWAVE-INDUCED NEUROENDORCRINE EFFECTS: THE CONCEPT OF STRESS	0396
STUDY OF THE	MICROWAVE-INDUCED PERTURBATIONS OF THE BEHAVIOUR BY THE OPEN-FIELD	2159
	MICROWAVE-INDUCED SHIFTS OF GONADOTROPIC ACTIVITY IN ANTERIOR PITU	2176
	MICROWAVE-INDUCED TERATOLOGY IN THE RAT	2880
F ANTINEOPLASTIC AGENTS PRODUCED BY	MICROWAVE-INDUCED TUMOR HYPERTHERMIA AND DIFFERENTIAL HYPOTHERMIA	2364
PROTECTION OF THE	MICROWAVE-IRRADIATED BRAIN WITH BODY-CORE HYPOTHERMIA	2533
THERMAL PROFILES OF NATIVE AND	MICROWAVE-IRRADIATED DNA	2352

TEMPERATURES WITHIN A MODEL OF THE	MICROWAVE-IRRADIATED HUMAN EYE	1043
RPHINS IN BRAINS OF DECAPITATED AND	MICROWAVE-KILLED MICE	2219
ECTOR KEEPS TABS ON RADIO-RELAY AND	MICROWAVE-OVEN LEAKS	0872
	MICROWAVE-POWER ABSORPTION BY RECTANGULAR-SHAPED CONDUCTIVE DIELEC	1646
REPT. ON THE	MICROWAVE-PROTECTION OF BACTERIA EXPOSED TO GAMMA IRRADIATION	0995
THE RADIO FREQUENCIES AND	MICROWAVE	3219
PHYSICAL MEDICINE: DIATHERMY:	MICROWAVE	3375
	MICROWAVE : BASIC BACKGROUND AND TERMINOLOGY	0297
SES AFTER IRRADIATION WITH 2.45 GHZ	MICROWAVES	0006
AFTER FETAL IRRADIATION BY 2450-MHZ	MICROWAVES	0026
OPHYSIOLOGIC EFFECTS OF EXPOSURE TO	MICROWAVES	0112
ON IN MICE EXPOSED TO 2450 MHZ (CW)	MICROWAVES	0279
45-GHZ CW AND 8.5 TO 9.6-GHZ PULSED	MICROWAVES	0366
ON IN HUMAN TISSUES WHEN EXPOSED TO	MICROWAVES	0465
. ANIMALS EXPOSED TO TEN-CENTIMETER	MICROWAVES	0473
USIC AUDITORY STIMULATION BY PULSED	MICROWAVES	0477
YSIOLOGIC AND PATHOLOGIC EFFECTS OF	MICROWAVES	0494
THE EFFECTS ON MAN FROM EXPOSURE TO	MICROWAVES	0503
DIES ON 1285 AND 2800 MC/SEC PULSED	MICROWAVES	0532
EXPOSURE TO	MICROWAVES	0555
CUTANEOUS PERCEPTION OF	MICROWAVES	0624
CRANIALLY EXPOSED TO 2450 MHZ (CW)	MICROWAVES	0655
OF BACTERIAL CELL GROWTH BY 136 GC	MICROWAVES	0657
CTION OF LENS OPACITIES BY 12.3 CM.	MICROWAVES	0664
R NON-THERMAL BIOLOGICAL EFFECTS OF	MICROWAVES	0665
HEALTH HAZARDS FROM EXPOSURE TO	MICROWAVES	0783
OF INDUSTRIAL AND CONSUMER USES OF	MICROWAVES	0877
OGIC FINDINGS IN PERSONS EXPOSED TO	MICROWAVES	0886
THOD OF HEPATECTOMY BY RADIATION OF	MICROWAVES	0919
CARDIOVASCULAR RESPONSE OF RATS TO	MICROWAVES	0926
NEW THEORY PROPOSED FOR HEARING	MICROWAVES	0942
UROENDOCRINE ASPECTS OF EXPOSURE TO	MICROWAVES	1057
NS IN RABBITS IRRADIATED WITH 3-GHZ	MICROWAVES	1082
BED DOSE, AND BIOLOGIC DOSIMETRY OF	MICROWAVES	1101
BIOLOGICAL AND MEDICAL ASPECTS OF	MICROWAVES	1114
DAMAGE OF HAEMATOPOIESIS IN MICE BY	MICROWAVES	1136
SORPTION IN ANIMALS IRRADIATED WITH	MICROWAVES	1145
FROG TO THE INCIDENCE OF LOW LEVEL	MICROWAVES	1206
OWAVES: LOCAL 'HOT SPOT' HEATING BY	MICROWAVES	1264
RAPID WARMING FROM HYPOTHERMIA BY	MICROWAVES	1272
THE USSR ON THE BIOLOGIC EFFECTS OF	MICROWAVES	1273
RONTAL SINUS UNDER THE INFLUENCE OF	MICROWAVES	1302
WORKMEN WITH LONG-TERM EXPOSURE TO	MICROWAVES	1318
BIOLOGICAL EFFECTS OF	MICROWAVES	1387
FECTION OF MICE IN IRRADIATION WITH	MICROWAVES	1397
CORTEX DURING LONG-TERM EXPOSURE TO	MICROWAVES	1462
E LONG-TERM ACTION OF LOW-INTENSITY	MICROWAVES	1519
AND NONTHERMAL CATARACTOGENESIS BY	MICROWAVES	1526
NONUNIFORM BIOPHYSICAL HEATING WITH	MICROWAVES	1528
IN THE LENSES OF EYES IRRADIATED BY	MICROWAVES	1581
HYSIOLOGICAL ASPECTS OF EXPOSURE TO	MICROWAVES	1597
CATS DURING DIRECT IRRADIATION WITH	MICROWAVES	1639
NEURONAL EFFECTS OF LOW LEVEL	MICROWAVES	1857
XPOSED CHRONICALLY TO THE ACTION OF	MICROWAVES	1947
LITOR TO THE INCIDENCE OF LOW-LEVEL	MICROWAVES	1973
EMATIC BARRIERS UNDER THE EFFECT OF	MICROWAVES	1992
PERSONS WORKING WITHIN THE REACH OF	MICROWAVES	2008
CELL CULTURES IRRADIATED WITH 3 GHZ	MICROWAVES	2052
IC LOW-LEVEL EXPOSURE OF RABBITS TO	MICROWAVES	2156
MILITARY ROLE IN SAFE USE OF	MICROWAVES	2224
THERAPEUTIC USES OF	MICROWAVES	2267
TECTION FROM THE HARMFUL EFFECTS OF	MICROWAVES	2268
BIOLOGICAL EFFECTS BY	MICROWAVES	2377
FACILITY FOR BIOLOGICAL EXPOSURE TO	MICROWAVES	2433
OCULAR EFFECTS OF 35 AND 107 GHZ CW	MICROWAVES	2440

RAT INDUCED BY A SINGLE EXPOSURE TO	MICROWAVES	2444
TED TO CRANIAL EXPOSURE TO 2450 MHZ	MICROWAVES	2445
TO IRRADIATE CELLS IN CULTURE WITH	MICROWAVES	2673
AT AND DOG EXPOSED TO 2450 MHZ (CW)	MICROWAVES	2676
E OF YEAST CELLS IRRADIATED BY WEAK	MICROWAVES	2697
TED IRRADIATION OF RATS BY 2450-MHZ	MICROWAVES	2747
GE OF HEMOPOIETIC SYSTEM OF MICE BY	MICROWAVES	2801
NISMS OF THE BIOLOGICAL ACTIVITY OF	MICROWAVES	2807
LOCAL APPLICATION OF HIGH INTENSITY	MICROWAVES	2824
RGANISMS AND TERATOGENIC EFFECTS OF	MICROWAVES	2830
EARLY LESIONS IN DOG TESTES DUE TO	MICROWAVES	2848
EMBRYOTROPIC EFFECTS OF	MICROWAVES	2872
R MICROSTRUCTURE OF MICE EXPOSED TO	MICROWAVES	2873
TED IRRADIATION OF RATS BY 2450 MHZ	MICROWAVES	2901
WHAT,S AHEAD FOR	MICROWAVES	2968
HEALTH HAZARDS FROM EXPOSURE TO	MICROWAVES	3092
MILITARY ASPECTS IN CONNECTION WITH	MICROWAVES	3191
ABSTRACTS-WARSAW MEETING,	MICROWAVES	3233
ATS EXPOSED TO 425 OR 2450 MHZ (CW)	MICROWAVES	3388
EFFECT OF THE BIOLOGICAL IMPACT OF	MICROWAVES	3430
HEATING AND CIRCULATORY EFFECTS OF	MICROWAVES 'RADAR'	3373
THE EFFECT OF	MICROWAVES (2450 MHZ) ON ISOLATED RAT LIVER MITOCHONDRIA	1076
THE EFFECT OF	MICROWAVES (2450 MHZ) ON LYMPHOCYTE BLAST TRANSFORMATION IN VITRO	2184
THE EFFECT OF	MICROWAVES (2450 MHZ) ON THE IMMUNE SYSTEM IN MICE. II. FUNCTION	2350
BIOLOGICAL EFFECTS OF	MICROWAVES (A BIBLIOGRAPHY WITH ABSTRACTS)	2251
BIOLOGICAL EFFECTS OF	MICROWAVES (COMPILATION OF ABSTRACTS)	2284
S CONDUCTION UNDER THE INFLUENCE OF	MICROWAVES (IN FRENCH)	0818
NG SPECIFIC BIOLOGICAL EFFECTS FROM	MICROWAVES (IN FRENCH)	2632
TUMOR SYNCHRONIZATION BY	MICROWAVES (IN GERMAN)	1188
CORTI'S ORGAN FOLLOWING EXPOSURE TO	MICROWAVES (IN POLISH)	0990
RADIOTELEVISION STATIONS EXPOSED TO	MICROWAVES (IN POLISH)	1621
IGS FOLLOWING LONG-TERM EXPOSURE TO	MICROWAVES (IN POLISH)	1901
ROBLEMS OF THE BIOLOGICAL EFFECT OF	MICROWAVES (IN RUMANIAN)	2721
IMMUNOLOGICAL EFFECT OF	MICROWAVES (IN RUSSIAN)	0029
LIVER DURING PROLONGED EXPOSURE TO	MICROWAVES (IN RUSSIAN)	1838
APHIC STUDIES IN PERSONS EXPOSED TO	MICROWAVES (PRELIMINARY REPT.)	1944
DICAL CONSIDERATIONS OF EXPOSURE TO	MICROWAVES (RADAR)	0604
DICAL CONSIDERATIONS OF EXPOSURE TO	MICROWAVES (RADAR)	1570
AL STUDIES OF THE HEATING EFFECT OF	MICROWAVES (RADAR) IN LIVING TISSUES	3369
EFFECTS OF EXPOSURE TO PULSED	MICROWAVES (RADAR) ON CENTRAL NERVOUS SYSTEM EXCITABILITY IN LAB	0637
OF PERSONS EXPOSED TO THE EFFECT OF	MICROWAVES (WITH PARTICULAR CONSIDERATION OF DULLNESS IN THE EYELE	2578
SES AFTER IRRADIATION WITH 2.45 GHZ	MICROWAVES - LETTERS TO THE EDITORS	0410
	MICROWAVES - NO CAUSE FOR HYSTERIA	0419
	MICROWAVES ACTION IN PROCARYOTIC AND EUCARYOTIC CELLS AND A POSSIB	1137
DO	MICROWAVES ALTER NERVOUS SYSTEM STRUCTURE?	1062
TUDIES OF THE LENTICULAR EFFECTS OF	MICROWAVES AMONG EXPOSED PERSONNEL	1924
	MICROWAVES AND BEHAVIOR	0924
SYMPOSIUM ON 'BIOLOGICAL EFFECTS OF	MICROWAVES AND HEALTH HAZARD'	1512
ECTS EVOKED BY COMBINED EXPOSURE TO	MICROWAVES AND HIGH AIR TEMPERATURE	1455
	MICROWAVES AND HUMAN SAFETY, PART I	1640
	MICROWAVES AND HUMAN SAFETY, PART II	1641
R APPLICATION TO THE MEASUREMENT OF	MICROWAVES AND INFRARED RADIATION. SEMINAR PAPER NO. 009	3046
INTERACTION BETWEEN 2450-MHZ	MICROWAVES AND IONIZING RADIATION IN TRIBOLIUM CONFUSUM	0035
EFFECTS ON THE EYE FROM EXPOSURE TO	MICROWAVES AND IONIZING RADIATIONS	1215
LITIES FOR CONTROLLING INSECTS WITH	MICROWAVES AND LOWER FREQUENCY RF ENERGY	0791
INSECT-CONTROL POSSIBILITIES USING	MICROWAVES AND LOWER FREQUENCY RF ENERGY	2285
INTERACTION BETWEEN	MICROWAVES AND MILLIMETER-WAVE ELECTROMAGNETIC FIELDS AND BIOLOGIC	3269
DIATHERMY VERSUS THE	MICROWAVES AND OTHER RADIO-FREQUENCY RADIATIONS: A ROSE BY ANOTHE	2381
INSECT-CONTROL STUDIES WITH	MICROWAVES AND OTHER RADIOFREQUENCY ENERGY	0980
	MICROWAVES AND PACEMAKERS--JUST HOW WELL DO THEY GO TOGETHER?	1987
THE EFFECTS OF COMBINED EXPOSURE TO	MICROWAVES AND SOFT X-RAYS ON IMMUNOBIOLOGICAL REACTIVITY OF ANIMA	1453
STUDIES ON THE COMBINED EFFECT OF	MICROWAVES AND SOME DRUGS ON BIOELECTRIC ACTIVITY OF THE RABBIT CE	1946
ABSORPTION AND ENERGY TRANSFER OF	MICROWAVES AND ULTRASOUND IN TISSUES: CHARACTERISTICS	3323
R BY SIMULTANEOUS ADMINISTRATION OF	MICROWAVES AND X-RAY IRRADIATION	1958
NIMALS BY COMBINED IRRADIATION WITH	MICROWAVES AND X-RAYS	1454

THE EFFECTS OF A COMBINATION OF	MICROWAVES	AND X-RAYS ON THE PE. MEABILITY OF HISTO-HEMATIC BARRIER	1489
CT OF LOCAL HYPERTHERMIA INDUCED BY	MICROWAVES	AND XRAYS ON WALKER'S CARCINOMA OF THE RAT. (IN GER.)	0136
HOW UNSEEN	MICROWAVES	ARE CHANGING YOUR LIFE	1347
ASSESSING	MICROWAVES	AS A HAZARD TO THE EYE--PROGRESS AND PROBLEMS	1257
IOVASCULAR DISEASE: A HYPOTHESIS OF	MICROWAVES	AS AN ETIOLOGY FOR SUDDEN DEATH FROM HEART ATTACK IN NO	1636
THE DISSIPATION OF	MICROWAVES	AS HEAT IN THE EYE	1531
PHYSICAL CHARACTERISTICS OF	MICROWAVES	AS RELATED TO BIOLOGICAL EFFECTS	1560
MPERATURE DISTRIBUTIONS PRODUCED BY	MICROWAVES	AT 2,456 AND 900 MEGACYCLES IN GEOMETRICALLY COMPLEX SP	3328
RILIZING PHARMACEUTICAL AMPOULES BY	MICROWAVES	AT 2.45 GHZ	1228
IRRADIATION OF RATS BY 918-MHZ	MICROWAVES	AT 2.5 MW/CM SQUARED: DELINEATING THE DOSE-RESPONSE REL	2746
EXPOSURE OF EXPERIMENTAL ANIMALS TO	MICROWAVES	AT 24,000 MEGACYCLES	1474
SACCHAROMYCES CEREVISIAE EXPOSED TO	MICROWAVES	AT 2450 MHZ	2355
COMPARISON OF DEEP HEATING BY	MICROWAVES	AT FREQUENCIES 2456 NAD 900 MEGACYCLES	3544
NTERVAL BEHAVIOR OF RATS EXPOSED TO	MICROWAVES	AT LOW POWER DENSITIES	2764
IC DATA ON THE EFFECTS OF VERY WEAK	MICROWAVES	AT THE LEVEL OF THE MIDBRAIN RETICULAR FORMATION- HYPOT	1444
EFFECT OF	MICROWAVES	AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 1:	0523
EFFECT OF	MICROWAVES	AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 2:	0452
EFFECT OF	MICROWAVES	AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 3:	0453
EFFECT OF PULSED	MICROWAVES	AT X-BAND ON SKIN METABOLISM	2049
NLINEAR EFFECT ON THE ABSORPTION OF	MICROWAVES	BY A PLASMA	0949
SCATTERING OF	MICROWAVES	BY DIELECTRIC MATERIALS USED IN LAB. ANIMAL RESTRAINERS	1242
ABSORPTION OF	MICROWAVES	BY MICROORGANISMS	0658
ABSORPTION OF	MICROWAVES	BY MOLECULES	3244
RECEPTION OF	MICROWAVES	BY THE BRAIN	0838
RESONANCE ABSORPTION OF	MICROWAVES	BY THE HUMAN SKULL	1704
	MICROWAVES	CAN KILL AND MAIM	3533
	MICROWAVES	CAN KILL INSECT PESTS	0240
	MICROWAVES	CHALLENGE TODAY'S HEAT PROCESSING	1379
EFFECT OF	MICROWAVES	COMBINED WITH INTERFERON AND/OR INTERFERON INDUCERS (PO	1160
RACTERISTICS OF BIOLOGIC EFFECTS OF	MICROWAVES	COMBINED WITH THE ACTION OF SOFT X-RAY IRRADIATION AND	1277
SOLAR POWER SATELLITES:	MICROWAVES	DELIVER THE POWER	0134
L OF A CRANIAL STRUCTURE EXPOSED TO	MICROWAVES	DUE TO LOOP OR DIPOLE ANTENN	0052
STUDIES ON THE EFFECT OF	MICROWAVES	EMITTED BY RADAR DEVICES ON THE TESTICLES AND EPIDIDYMI	2502
EFFECT OF	MICROWAVES	EMITTED BY RADAR TRANSMITTERS ON THE ORIGINATION OF CAT	3477
	MICROWAVES	FOR BIOLOGISTS, MICROWAVES UPDATED	2834
M TO DETECT AND TREAT CANCER, USING	MICROWAVES	FOR BOTH TASKS	0409
	MICROWAVES	FOR DIAGNOSIS AND THERAPY	1910
ARE	MICROWAVES	HARMLESS? (IN GERMAN)	0004
	MICROWAVES	HELP DETECT TUMORS	0157
FOUR YEARS OF	MICROWAVES	IN CANCER THERAPY	0421
A THERMAL EQUIVALENT OF MILLIMETER	MICROWAVES	IN LIVING CELLS	0413
	MICROWAVES	IN MEDICAL AND BIOLOGICAL RESEARCH	0549
BIOLOGICAL EFFECT OF	MICROWAVES	IN OCCUPATIONAL HYGIENE	2250
TUDY OF THE ACUTE EFFECTS OF X-BAND	MICROWAVES	IN RABBITS	1252
	MICROWAVES	IN RADIOTHERAPY OF TUMORS--ALTERNATIVE TO HEAVY PARTICL	0906
SELECTED ABSTRACTS '	MICROWAVES	IN SERVICE TO MAN'	3242
RATURE DISTRIBUTIONS AS PRODUCED BY	MICROWAVES	IN SPECIMENS UNDER THERAPEUTIC CONDITIONS	3545
POSSIBLE USE OF	MICROWAVES	IN THE MANAGEMENT OF LUNG DISEASE	0784
EFFECT OF	MICROWAVES	IN THE THERMAL INTENSITY RANGE ON MICE. BODY WEIGHT, RE	0120
	MICROWAVES	INDUCE AN INCREASE IN THE FREQUENCY OF COMPLEMENT RECEP	2066
	MICROWAVES	INHIBIT TUMOR INDUCTION	1970
OF THE CATARACTOGENIC INFLUENCE OF	MICROWAVES	OF 10 CM BAND	0989
ER CONDITIONS INVOLVING EXPOSURE TO	MICROWAVES	OF DIFFERENT INTENSITY	2360
GES IN THE BRAIN OF RATS EXPOSED TO	MICROWAVES	OF LOW POWER DENSITY	1141
ACTION OF	MICROWAVES	ON BACTERIA, YEAST, AND DROSPHILA	3401
COPY TO THE STUDY OF THE EFFECTS OF	MICROWAVES	ON BIOLOGICAL MATERIALS	1472
THE EFFECTS OF	MICROWAVES	ON BIRDS: PRELIMINARY EXPERIMENTS	0581
EFFECT OF	MICROWAVES	ON BLOOD SERUM BUTYRYL CHOLINESTERASE ACTIVITY IN VIVO	1510
NONTHERMAL ACTION OF	MICROWAVES	ON CADIAC RHYTHM	3469
EFFECT OF	MICROWAVES	ON CELL FUNCTION AND VIRUS REPLICATION IN CELL CULTURES	1077
INVESTIGATING NONTHERMAL EFFECT OF	MICROWAVES	ON CELLS	2209
ARATIVE EVALUATION OF THE EFFECT OF	MICROWAVES	ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN TEST ANIMAL	1356
THE EFFECT OF	MICROWAVES	ON ERYTHROCYTE POTASSIUM AND SODIUM ION PERMEABILITY	2020
EFFECT OF	MICROWAVES	ON ESCHERICHIA COLI AND BACILLUS SUBTILIS	0486
INFLUENCE OF	MICROWAVES	ON GENETICAL PROCESSES OF ASPERGILLIUS NIDULANS	1140

THE EFFECTS OF MICROWAVES ON GREEN ALGAE 3235
INFLUENCE OF PULSED MICROWAVES ON HAEMATOPOIESIS OF ADOLESCENT RATS 1132
OSSIBLE MECHANISMS OF THE EFFECT OF MICROWAVES ON HEMOGLOBIN 2308
EFFECTS OF MICROWAVES ON HEMOGLOBIN 3123
STUDIES ON THE EFFECT OF 2450 MHZ MICROWAVES ON HUMAN IMMUNOGLOBULIN G 3032
THE EFFECTS OF MICROWAVES ON HUMAN LYMPHOCYTE CULTURES 1259
THE EFFECTS OF MICROWAVES ON HUMAN LYMPHOCYTE CULTURES 2317
THE OCCULAR EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE CATARACTOG 1068
OME EFFECTS OF LOW-LEVEL DOSAGES OF MICROWAVES ON ISOLATED NERVE ACTIVITY 2413
EFFECTS OF LOW-INTENSITY MICROWAVES ON ISOLATED NEURONS 1058
PRINCIPLES GOVERNING THE EFFECTS OF MICROWAVES ON K+ AND NA+ TRANSPORT IN HUMAN ERYTHROCYTES 1458
EFFECTS OF MICROWAVES ON MANKIND 3299
TAL INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROORGANISMS AND ANIMALS 2300
EFFECTS OF 2450 MHZ MICROWAVES ON MOUSE TESTICULAR CYTOLOGY 2894
G TO THE INFLUENCE OF LOW INTENSITY MICROWAVES ON NERVOUS FUNCTION 2512
EFFECTS OF MICROWAVES ON NORMAL AND TUMOUR CELLS AS SEEN BY LASER-RAMAN SPECT 1131
EFFECTS OF MICROWAVES ON OPTICAL ACTIVITY 1534
EFFECTS OF LOW INTENSITY MICROWAVES ON PERFORMANCE 0506
EFFECTS OF 2450 MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMS 2507
THE EFFECTS OF LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES 0220
INFLUENCE OF 2450 MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO 1155
E CULTURE, PART 3: EFFECT OF PULSED MICROWAVES ON SKIN RESPIRATION AND BIOCHEMISTRY 0453
EFFECT OF MICROWAVES ON STEROIDS PLASMA LEVELS IN MALE RATS 2788
INFLUENCE OF LOW-INTENSITY MICROWAVES ON THE ACID-BASE BALANCE IN EXPERIMENTAL ANIMALS (IN RU 1315
EFFECT OF MICROWAVES ON THE BLOOD PRESSURE LEVELS IN TEST ANIMALS 1355
Y OF THE EFFECTS OF MILLIMETER-BAND MICROWAVES ON THE BONE MARROW OF MICE 2301
EFFECTS OF MICROWAVES ON THE CELL METABOLISM OF THE RETICULO-HISTOCYTIC SYSTE 1280
INVESTIGATIONS ON THE INFLUENCE OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM 1945
ULTS ON THE STUDY OF THE EFFECTS OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM OF THE PRIMATE 3408
EFFECT OF 191 AND 155 MHZ MICROWAVES ON THE CONDITIONED REFLEX ACTIVITY OF ANIMALS 1349
EFFECT OF MICROWAVES ON THE EYE 0449
INVESTIGATIONS ON THE EFFECT OF MICROWAVES ON THE EYE 0699
EFFECTS OF MICROWAVES ON THE FUNCTION AND STRUCTURE OF HEPATIC AND RENAL MITO 1511
OF EXPERIMENTAL TOXIC HEPATITIS AND MICROWAVES ON THE FUNCTION OF HEPATIC AND RENAL MITOCHONDRIA 1503
EFFECT OF MICROWAVES ON THE FUNCTIONAL STATE OF THE NERVE 1941
BIOLOGICAL EFFECTS OF MICROWAVES ON THE HYPOTHALAMIC/ PITUITARY/THYROID AXIS 1374
COMPARISON OF THE EFFECT OF MICROWAVES ON THE LIPID METABOLISM OF SEVERAL MOUSE STRAINS 3404
EFFECTS OF MICROWAVES ON THE METABOLIC TIME CLOCKS OF NORMAL AND TUMOUR CELLS 3264
EFFECT OF MICROWAVES ON THE MORPHOLOGY AND FUNCTION OF THE THYROID GLAND (IN 1923
GATION OF THE BIOLOGICAL EFFECTS OF MICROWAVES ON THE OCULAR TUSSUES OF ANIMALS 1362
IZING RADIATION IN COMBINATION WITH MICROWAVES ON THE PERMEABILITY OF HISTO-HEMATIC BARRIERS 1501
BIOLOGICAL EFFECTS OF MICROWAVES ON THE PUPAE OF TENEBRIO MOLITOR 2675
EFFECT OF MICROWAVES ON THE RABBIT EYE 0675
EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE 2155
EFFECT OF 2450-MHZ MICROWAVES ON THE RADIATION RESPONSES OF X-IRRADIATED CHINESE HAMS 0521
EFFECT OF MICROWAVES ON THE REACTIONS OF THE WHITE BLOOD CELLS SYSTEM 3255
T OF IRRADIATION WITH RED-LIGHT AND MICROWAVES ON THE REACTIVITY OF THE CHORIOALIANTOIC MEMBRANE 2016
EFFECT OF MICROWAVES ON THE RESPONSES OF WHITE BLOOD CELL SYSTEM 2318
INFLUENCE OF MICROWAVES ON THE RESTING POTENTIAL OF GIANT NEURONS OF THE MOLLUS 2581
THE EFFECTS OF MICROWAVES ON THE ROUS NO. 1 FOWL SARCOMA VIRUS 2503
THE EFFECT OF MICROWAVES ON THE TOBACCO BEETLE 2887
EFFECTS OF MICROWAVES ON THE TWENTY-FOUR-HOUR RHYTHM AND TWENTY-FOUR-HOUR URI 1133
MAL AND ATHERMAL EFFECTS OF 2.8 GHZ MICROWAVES ON THREE HUMAN SERUM ENZYMES 1815
EFFECT OF MICROWAVES ON VIRUS MULTIPLICATION IN MAMMALIAN CELLS 1159
OPHYSIOLOGIC EFFECTS OF EXPOSURE TO MICROWAVES OR ULTRASONIC ENERGY--AN OVERVIEW 1596
UNREASONING RADIATION: DO MICROWAVES POSE A HAZARD TO MIND AND BODY? 0566
MICROWAVES PROBE FOR CANCER CELLS 0669
AGOCYTOSIS: A NON-THERMAL EFFECT OF MICROWAVES RADIATION AS A POTENTIAL HAZARD TO HEALTH 2019
MICROWAVES SCORE TKO IN FIGHT AGAINST CANCER 0845
ARE MICROWAVES TERATOGENIC? 1371
RELATION OF INTERRUPTED PULSED MICROWAVES TO BIOLOGICAL HAZARDS 0470
MICROWAVES TO SUBSTITUTE FOR DDT? 1868
MICROWAVES FOR BIOLOGISTS, MICROWAVES UPDATED 2834
TING THE EFFECTS OF 2,450-MEGAHERTZ MICROWAVES UPON STREPTOCOCCUS FAECALIS AND SACCHAROMYCES CEREVISIA 1920
THE HEATING EFFECTS OF MICROWAVES WITH AND WITHOUT ISCHEMIA 0666

OF PERSONS EXPOSED TO THE EFFECT OF	MICROWAVES WITH PARTICULAR CONSIDERATION OF DULLNESS IN THE EYELEN	3474
INFLUENCE OF	MICROWAVES WITHIN MICE:WEIGHT, RECTAL TEMPERATURE, RESPIRATION, TR	0070
EFFECT OF 10-CM (3 GHZ) EMR (	MICROWAVES) ON GRANULOCYTES IN VITRO	1078
ICAL EFFECTS OF EMR (RADIOWAVES AND	MICROWAVES)-- EURASIAN COMMUNIST COUNTRIES	2579
	MICROWAVES , MAGNETIC IRON PARTICLES AND LASERS AS A COMBINED TEST	1619
PERSONNEL OCCUPATIONALLY EXPOSED TO	MICROWAVES , PART I: THEORETICAL CONSIDERATIONS AND PRACTICAL ASPEC	0796
A REPORTER AT LARGE:	MICROWAVES , PART II	1107
PERSONNEL OCCUPATIONALLY EXPOSED TO	MICROWAVES , PART II: FUNCTIONAL DISTURBANCES	0797
PERSONNEL OCCUPATIONALLY EXPOSED TO	MICROWAVES , PART III: LENS TRANSLUCENCY	0798
A REPORTER AT LARGE:	MICROWAVES , PARTI	1106
GULATIONS, STANDARDS AND GUIDES FOR	MICROWAVES , ULTRAVIOLET RADIATION AND RADIATION FROM LASERS AND TE	0597
ULATIONS, STANDARDS, AND GUIDES FOR	MICROWAVES , ULTRAVIOLET RADIATION, AND RADIATION FROM LASERS AND T	0562
RADIO WAVES AND	MICROWAVES- BASIC DEFINITIONS AND CONCEPTS	0110
FECTS ON WHOLE ANIMAL ABSORPTION OF	MICROWAVES--LETHALITY EXPERIMENTS	2378
F UNANESTHETIZED MONKEYS TO 9.3 GHZ	MICROWAVES	0174
TS IN MICE EXPOSED TO PULSED AND CW	MICROWAVES	0206
HYPOTHALAMUS UNDER THE INFLUENCE OF	MICROWAVES	0230
TE LITTLE TO AUDITORY PERCEPTION OF	MICROWAVES	0411
CTS OF CHRONIC EXPOSURE TO 2450-MHZ	MICROWAVES	0414
ETHASONE ON RAT ADRENAL RESPONSE TO	MICROWAVES	0430
OF UNICELLULAR ORGANISMS WITH 3-CM	MICROWAVES	3212
HEALTH HAZARDS FROM EXPOSURE TO	MICROWAVES	3253
ESTRUCTIVE TESTING OF PLASTICS WITH	MICROWAVES	3289
BILOLOGICAL EFFECTS OF	MICROWAVES : FUTURE RESEARCH DIRECTIONS	3548
AND DIAGNOSIS OF PULMONARY EDEMA BY	MICROWAVES : A PRELIMINARY REPORT	2463
APPROACH TO BIOLOGICAL RESPONSE TO	MICROWAVES : A PRELIMINARY THERMAL VERSUS NON-THERMAL EXPERIMENT	0694
IATION OF RATS BY LOW LEVEL 918 MHZ	MICROWAVES : DELINEATING THE DOSE-RESPONSE RELATIONSHIP	2911
	MICROWAVES : EFFECT ON THERMOREGULATORY BEHAVIOR IN RATS	0358
OF THREE DIFFERENT SIZES EXPOSED TO	MICROWAVES : EXTRAPOLATION TO LARGER MAMMALS	0225
BIOLOGICAL EFFECTS OF	MICROWAVES : FUTURE RESEARCH DIRECTIONS	0631
EFFECTS OF	MICROWAVES : LOCAL 'HOT SPOT' HEATING BY MICROWAVES	1264
EFFECTS OF EXPOSURE TO	MICROWAVES : PROBLEMS AND PERSPECTIVES	1299
	MICROWAVES : THE RESULTS OF A SURVEY IN MANCHESTER	0298
	MICROWAVES : THE SILENT INVADERS	2906
ADIOFREQUENCY LESIONS OF THE LIMBIC	MIDBRAIN AREA IN THE RAT. EVIDENCE FOR A PARTICULAR ROLE OF THE VE	1871
WEAK MICROWAVES AT THE LEVEL OF THE	MIDBRAIN RETICULAR FORMATION- HYPOTHALAMUS-CEREBLAR CORTEX LEVEL	1444
SINGLE NEURON ANALYSIS OF THE HUMAN	MIDBRAIN TEGMENTUM	3394
	MIDDLE-EAR STRUCTURES CONTRIBUTE LITTLE TO AUDITORY PERCEPTION OF	0411
FREQUENCY EM FIELDS ON FREE FLYING	MIGRANT BIRDS	1756
S FOR EFFECTS OF ELF ON FREE FLYING	MIGRANT BIRDS	0202
RADAR AND	MIGRATING BIRDS	1780
AND THE ORIENTATION OF NOCTURNALLY	MIGRATING BIRDS	1979
	MIGRATING BIRDS RESPOND TO PROJECT SEAFARER'S EM FIELD	1016
PHENOMENON OF	MIGRATION AND SEDIMENTATION OF ERYTHROCYTES INDUCED BY MAGNETIC FI	0089
M: MODULATION OF IN VIVO LYMPHOCYTE	MIGRATION BY WHOLE-BODY HYPERTHERMIC RADIATION	0253
ANIMAL	MIGRATION , NAVIGATION, AND HOMING	0003
ISM FOR MAGNETIC FIELD DETECTION BY	MIGRATORY BIRDS AND HOMING PIGEONS	2511
ON FINDING: EVIDENCE FOR ITS USE IN	MIGRATORY INDIGO BUNTINGS	2106
ELECTROANESTHESIA FOR	MILITARY APPLICATION	1912
	MILITARY ASPECTS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION	3458
PUBLIC FROM THE HAZARDS OF EMR FROM	MILITARY COMMUNICATIONS AND RADAR SYSTEMS	0311
NVIRONMENTAL FACTORS IN RELATION TO	MILITARY PERSONNEL	0837
PROTECTING	MILITARY PERSONNEL AND THE PUBLIC FROM THE HAZARDS OF EMR FROM MIL	0311
	MILITARY ROLE IN SAFE USE OF MICROWAVES	2224
MICROWAVE PASTEURIZATION OF	MILK	0918
INTEGRATING	MILLIAMPERE-SECONDS METER, (FDA) 73-8004, BRH/DEP N73-1	3043
THERMOGRAPHIC IMAGING AT	MILLIMETER AND CENTIMETER WAVELENGTHS	1691
N FUNCTION FOR BIOLOGICAL FLUIDS AT	MILLIMETER AND FAR-INFRARED WAVELENGTHS	2195
IELDS FOR DETECTING EMISSION IN THE	MILLIMETER AND SUBMILLIMETER BANDS	2343
DETECTION OF	MILLIMETER AND SUBMILLIMETER EMISSION BY MEANS OF JOSEPHSON JUNCTI	2314
ESONANCE PHENOMENA IN THE ACTION OF	MILLIMETER ELECTRO- MAGNETIC WAVES ON BIOLOGIC OBJECTS (IN RUSSIA	0294
BONE MARROW REACTION TO ALTERED UHF	MILLIMETER IRRADIATION PARAMETRIC VARIATION	1485
MINATION OF A THERMAL EQUIVALENT OF	MILLIMETER MICROWAVES IN LIVING CELLS	0413
EFFECTS OF	MILLIMETER RADIO WAVES ON THE NEURO-HUMORAL SYSTEM IN RATS	0292
THE INFLUENCE OF RADIOWAVES IN THE	MILLIMETER RANGE	0060

SSIBLE ROLE OF WATER IN TRANSFER OF	MILLIMETER RANGE RADIATION TO BIOLOGICAL OBJECTS	0241
E FEATURES OF BIOLOGICAL EFFECTS OF	MILLIMETER RANGE RADIO WAVES AND POSSIBLE USE THEREOF IN MEDICINE	0208
RISTICS OF THE BIOLOGICAL ACTION OF	MILLIMETER RANGE RADIOWAVES AND THEIR POSSIBLE MEDICAL APPLICATION	0091
ASURING INDUCTIVE CAPACITIES IN THE	MILLIMETER RANGE	3340
URSI PURSUED:	MILLIMETER WAVE BIOPHYSICS	3396
DESIGN OF	MILLIMETER WAVE COMMUNICATION SYSTEMS	3456
	MILLIMETER WAVE THERMOGRAPH AS SUBCUTANEOUS INDICATOR OF JOINT INF	2411
REPORT OF THE ARPA/TRI-SERVICE	MILLIMETER WAVE WORKSHOP	3240
POSSIBILITY OF USING EMR'S OF THE	MILLIMETER WAVELENGTH TO INTENSIFY THE BIOLOGICAL PROPERTIES OF BL	2346
THERMOGRAPHY AT	MILLIMETER WAVELENGTHS	1696
CELLULAR EFFECTS:	MILLIMETER WAVES AND RAMAN SPECTRA- REPORT OF A PANEL DISCUSSION	0392
ANISMS OF THE NONTHERMAL EFFECTS OF	MILLIMETER- AND SUBMILLIMETER-BAND EMR ON BIOLOGICALLY ACTIVE COMP	2307
OF LIVING ORGANISMS TO EXPOSURE TO	MILLIMETER- BAND ELECTROMAGNETIC WAVES	3272
BIOLOGICAL EFFECTS OF	MILLIMETER-BAND ELECTROMAGNETIC RADIATION	3581
OF LIVING ORGANISMS TO EXPOSURE TO	MILLIMETER-BAND EM WAVES	2305
EFFECTS OF	MILLIMETER-BAND EM WAVES IN THE CELL AND CERTAIN STRUCTURAL ELEMEN	2306
EFFECTS OF	MILLIMETER-BAND EM WAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM	2304
INFLUENCE OF	MILLIMETER-BAND EMR ON BIOLOGICAL OBJECTS	2299
EFFECTS OF	MILLIMETER-BAND EMR ON THE FUNCTIONAL ACTIVITY OF CERTAIN GENETIC	2302
A STUDY OF THE EFFECTS OF	MILLIMETER-BAND MICROWAVES ON THE BONE MARROW OF MICE	2301
EFFECTS OF	MILLIMETER-BAND RADIO WAVES ON CERTAIN PROPERTIES OF BACTERIA	2303
INTERACTION BETWEEN MICROWAVES AND	MILLIMETER-WAVE ELECTROMAGNETIC FIELDS AND BIOLOGIC SYSTEMS: MOLEC	3269
A	MILLIMETER-WAVE LUNAR RADAR	3455
CENTIMETER AND	MILLIMETER-WAVE THERMOGRAPHY - A SURVEY ON TUMOR DETECTION	0229
	MILLIMETER-WAVE THERMOGRAPHY: APPLICATION TO BREAST CANCER	0234
	MILLIMETER-WAVE THERMOGRAPHY: PRELIMINARY CLINICAL FINDINGS IN HEA	0271
RELATIVE PERMITTIVITY OF SOLIDS AT	MILLIMETRE WAVELENGTHS	3539
EFFECTS OF EM WAVES OF THE	MILLIMETRIC RANGE ON THE ENERGY METABOLISM OF LIVER MITOCHONDRIA	2811
EFFECTS OF EMR OF	MILLIMETRIC WAVELENGTH ON BACTERIAL GROWTH	1650
ION: DO MICROWAVES POSE A HAZARD TO	MIND AND BODY?	0566
OR A POTENTIAL CONSUMER-SALES GOLD	MINE ?	0408
ATIONS IN ASSOCIATION WITH TASHKENT	MINERAL WATER ON THE PANCREATIC FUNCTION IN PATIENTS WITH CHRONIC	1835
I. EFFECTS ON BLOOD CELLS AND BLOOD	MINERALS	0144
ISTICS FOR ELECTROMAGNETIC NOISE IN	MINES	3562
VATION OF THE BIOLOGICAL EFFECTS OF	MIRCROWAVES (IN RUSSIAN)	0213
TY MEASUREMENTS ON HEAVY BEEF HEART	MITOCHONDRIA	0684
ES (2450 MHZ) ON ISOLATED RAT LIVER	MITOCHONDRIA	1076
N THE FUNCTION OF HEPATIC AND RENAL	MITOCHONDRIA	1503
AND STRUCTURE OF HEPATIC AND RENAL	MITOCHONDRIA	1511
E ON THE ENERGY METABOLISM OF LIVER	MITOCHONDRIA	2811
VE (2450) MHZ ON ISOLATED RAT LIVER	MITOCHONDRIA	3554
URE SYSTEM: RESPIRATORY ACTIVITY OF	MITOCHONDRIA IRRADIATED AT 2-4 GHZ	2175
OF THE FUNCTIONAL ACTIVITY OF LIVER	MITOCHONDRIA ON SUPERHIGH FREQUENCY RADIATION	1403
EM FIELDS ON MICROSOMAL ATPASE AND	MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION	1080
ERHIGH FREQUENCY RADIATION ON BRAIN	MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION (IN RUSSIAN)	1404
IRCADIAN RHYTHM OF BONE MARROW CELL	MITOSIS	1814
SIONS OF SOME ZONES OF THE BRAIN ON	MITOSIS OF THE EPITHELIUM OF THE SMALL INTESTINAL GLANDS IN THE RA	2854
NETIC FIELD OF 1,000 OERSTED ON THE	MITOTIC ACTIVITY (IN RUSSIAN)	1405
	MITOTIC ACTIVITY IN EPITHELIUM OF GLANDS OF THE SMALL INTESTINE OF	2855
	MITOTIC DELAY IN THE SLIME MOULD PHYSARUM POLYCEPHALUM INDUCED BY	0907
CORD DISEASES AND WITH SPASTIC AND	MIXED PARESES	0215
EMR SAFETY STANDARDS AS APPLIED TO	MOBILE AND PORTABLE TELECOMMUNICATIONS TRANSMITTERS	2474
HAZARDS FROM MICROWAVE SOURCES WITH	MOBILE ANTENNAS: CERTAIN TECHNICAL PROBLEMS	0882
ES IN THE VICINITY OF VEHICLES WITH	MOBILE COMMUNICATIONS EQUIPMENT AND A HAND-HELD WALKIE TALKIE	0167
REPORT ON	MOBILE FIELD STRENGTH MEASUREMENTS TAKEN WITH RECEIVING ANTENNA 10	3524
CAPABILITY OF THE FCC	MOBILE MONITORING VAN	3148
OF THE ADVISORY COMMITTEE FOR LAND	MOBILE RADIO SERVICES FROM WORKING GROUP 3	2956
DIO-FREQUENCY EMR FROM PORTABLE AND	MOBILE TELECOMMUNICATION TRANSMITTERS	2718
MICROWAVE HALL	MOBILITY MEASUREMENTS ON HEAVY BEEF HEART MITOCHONDRIA	0684
IRRADIATION ON THE ELECTROPHORETIC	MOBILITY OF ERYTHROCYTES (IN RUSSIAN)	2593
UENCY FIELDS ON THE ELECTROPHORETIC	MOBILITY OF SOME COLLOIDS	0662
UENCY FIELDS ON THE ELECTROPHORETIC	MOBILITY OF SOME COLLOIDS	3221
UATION OF ELECTROMAGNETIC DIATHERMY	MODALITIES IN 433 MHZ. TO 2450 MHZ	3327
MSTER MELANOMA TO VARIOUS TREATMENT	MODALITIES UTILIZING X-RAYS AND HYPERTHERMIA	2363
FUNDAMENTAL MECHANISMS IN COMBINED	MODALITY THERAPY OF CANCER	1211

T FIELD HYPERTHERMIA- A THEORETICAL	MODEL		0359
COMMUNICATION IN BIRD FLOCKS: AN EM	MODEL		1671
FIELD ELECTRIC ENERGY DENSITY METER	MODEL	EDM-2	1011
ICLES AND LASERS AS A COMBINED TEST	MODEL	FOR INVESTIGATION OF HYPERTHERMIA TREATMENT OF CANCER	1619
	MODEL	FOR SOME NONTHERMAL EFFECTS OF RADIO AND MICROWAVE FIELDS ON	2691
A	MODEL	FOR THERMAL CATARACTOGENESIS	2442
LICABLE MICROWAVE HYPERTHERMIA OF A	MODEL	MOUSE CARCINOMA	0046
AR FOR PLANEWAVE IRRADIATION OF MAN	MODEL	NEAR A GROUND PLANE	0242
H MICROWAVE HEATING FOR A TWO-LAYER	MODEL	OF A BIOLOGICAL OBJECT	0626
UTION IN AN INHOMOGENEOUS SPHERICAL	MODEL	OF A CRANIAL STRUCTURE EXPOSED TO MICROWAVES DUE TO LOOP OR	0052
RS AND AS INDUCED BY EM FIELDS IN A	MODEL	OF A HUMAN BODY	2732
AUSSIAN EM PULSE INTO A MUSCLE-BONE	MODEL	OF BIOLOGICAL STRUCTURE	1124
OWTH STIMULATION IN AN EXPERIMENTAL	MODEL	OF DELAYED UNION	2403
E IRRADIATION OF A PROLATE SPHEROID	MODEL	OF MAN	1174
WAVE IRRADIATION OF AN ELLIPSOIDAL	MODEL	OF MAN	1611
EM FIELDS IN A HOMOGENEOUS	MODEL	OF MAN	2319
ETIC COUPLING TO A PROLATE SPHEROID	MODEL	OF MAN	2435
POWER DEPOSITION IN A SPHERICAL	MODEL	OF MAN EXPOSED TO 1-20-MHZ EM FIELDS	1700
GNETIC ABSORPTION IN A MULTILAYERED	MODEL	OF MAN	0127
METRIC MEASUREMENTS OF A FULL-SCALE	MODEL	OF MAN	0432
LOG-NORMAL FUNCTION AS A STOCHASTIC	MODEL	OF THE DISTRIBUTION OF STRONTIUM-90 AND OTHER FISSION PRODUC	3178
TOWARDS A	MODEL	OF THE ELECTROSENSORY SYSTEM IN THE FISH	0612
ORPTION IN A SPHERICAL MULTILAYERED	MODEL	OF THE HEAD	2198
S AND INDUCED TEMPERATURES WITHIN A	MODEL	OF THE MICROWAVE-IRRADIATED HUMAN EYE	1043
SORPTION PATTERNS: HUMAN AND ANIMAL	MODELING	DATA	2792
BY THERMOGRAPHIC STUDIES ON PHANTOM	MODELS		1153
THERMOGRAPHIC MEASUREMENTS ON SCALE	MODELS		1246
IS ON THE EFFECT OF DIFFERENT SWEAT	MODELS		2191
E HEATING PATTERNS IN SIMPLE TISSUE	MODELS		2705
APHIC STUDIES ON EQUIVALENT PHANTOM	MODELS		2946
R EFFECTS OF HYPERTHERMIA IN ANIMAL	MODELS	AND CLINICAL TRIALS	0190
ERY METHODS TO THERMAL RESPONSES OF	MODELS	AND EXPERIMENTAL ANIMALS	1687
ELIAN DEVELOPMENTAL DEFECTS: ANIMAL	MODELS	AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE	2889
EMPERATURE DISTRIBUTION PRODUCED IN	MODELS	BY THREE MICROWAVE APPLICATORS AT 433.92 MHZ	0911
ER ABSORPTION IN CYLINDRICAL TISSUE	MODELS	EXCITED BY A LOOP ANTENNA	0204
ACTERISTICS OF MULTI-LAYERED SPHERE	MODELS	EXPOSED TO UHF/MICROWAVE RADIATION	1715
EXPERIMENTAL	MODELS	FOR THE EVALUATION OF MICROWAVE BIOLOGICAL EFFECTS	0625
CATION BINDING	MODELS	FOR THE INTERACTION OF MEMBRANES WITH EM FIELDS	2423
ANALYSIS OF	MODELS	FOR THE STUDY OF INTERACTION BETWEEN EM FIELDS AND BIOLOGIC	2635
USE OF MATHEMATICAL	MODELS	IN NONIONIZING RADIATION RESEARCH	3598
CALCULATIONS OF PROLATE SPHEROIDAL	MODELS	OF HUMANS AND ANIMALS	0301
LLIPSOIDAL CONDUCTOR AND DIELECTRIC	MODELS	OF HUMANS AND MONKEYS AT RADIO FREQUENCIES	2737
R DEPOSITION IN BODY- OF-REVOLUTION	MODELS	OF MAN	0097
PROLATE SPHEROIDAL AND ELLIPSOIDAL	MODELS	OF MAN	1604
ELF COUPLING TO SPHERICAL	MODELS	OF MAN AND ANIMALS	1244
ER ABSORPTION IN PROLATE SPHEROIDAL	MODELS	OF MAN AND ANIMALS	1305
EM POWER ABSORPTION IN ELLIPSOIDAL	MODELS	OF MAN AND ANIMALS	1612
OWER DEPOSITION IN PROLATE SPHEROID	MODELS	OF MAN AND ANIMALS AT RESONANCE	2785
HIGH FREQUENCY EM FIELDS ON PHANTOM	MODELS	OF MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIA	1293
OIDAL TISSUE STRUCTURES AND PHANTOM	MODELS	OF MAN EXPOSED TO HIGH FREQUENCY EM FIELDS	1740
TION OF EM ENERGY IN ANIMALS AND IN	MODELS	OF MAN WITH AND WITHOUT GROUNDING AND REFLECTOR EFFECTS	2733
RIBUTION OF EM ENERGY DEPOSITION IN	MODELS	OF MAN WITH FREQUENCIES NEAR RESONANCE	2188
	MODELS	OF MEMBRANES OF CEREBRAL CELLS AS SUBSTRATES FOR INFORMATIO	2608
IES, MOTILE CELLS, MEASUREMENTS AND	MODELS	, PART I (THE EFFECTS OF LOW FREQUENCY ELECTRIC FIELDS ON AM	0636
THERMY TESTED IN VARIOUS SIMULATION	MODELS		0235
VATION OF HIGH DIELECTRIC RESONATOR	MODES		3363
OF CHICKS EXPOSED TO WEAK AMPLITUDE	MODULATED	450 MHZ FIELDS	2661
ELECTROSTIMULATION BY SINUSOIDAL	MODULATED	CURRENT IN INTEGRATED TREATMENT OF PATIENTS WITH SPINAL	0215
T UNDER THE INFLUENCE OF SINUSOIDAL	MODULATED	CURRENT PULSES	2045
EFFECT OF GRADUALLY	MODULATED	ELECTRICAL STIMULATION ON THE PLASTICITY OF ARTIFICIALLY	2861
HUMAN AUDITORY SYSTEM RESPONSE TO	MODULATED	EM ENERGY	1031
HYPNOGENIC EFFECTS OF A	MODULATED	EM FIELD	2601
A	MODULATED	EM FIELD AS A FACTOR OF SELECTIVE INFLUENCE UPON THE MEC	2082
EFFECT OF A	MODULATED	EM FIELD ON SELF-STIMULATION RESPONSE IN RATS	2546
ERDUM, AND THE ACTION OF PULSED AND	MODULATED	EM WAVES (IN FRENCH)	0959

ITIVITY OF FROG HEART RATE TO PULSE	MODULATED MICROWAVE ENERGY	0844
ED FROG HEART IRRADIATED WITH PULSE	MODULATED MICROWAVE ENERGY	1804
ED FROG HEART IRRADIATED WITH PULSE	MODULATED MICROWAVE ENERGY	3390
FUNCTION AS INFLUENCED BY LOW POWER	MODULATED RF ENERGY	0593
EFFECTS OF	MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS :EFFECTS OF ACU	0095
EFFECTS OF	MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS. II. APPEARANCE	0287
MEASURED EFFECTS OF SQUARE-WAVE	MODULATED RF FIELDS (450 AND 3100 MHZ) ON CARDIAC PACEMAKERS	1289
PULSE	MODULATED UHF ENERGY ILLUMINATION OF THE HEART ASSOCIATED WITH CHA	1040
ANSIENT BRAIN RHYTHMS BY AMPLITUDE-	MODULATED VHF FIELDS	1673
EFFECTS OF	MODULATED VHF FIELDS ON SPECIFIC BRAIN RHYTHMS IN CATS	0447
EFFECTS OF	MODULATED VHF FIELDS ON THE CENTRAL NERVOUS SYSTEM	1060
PONSE TO LOWER POWER DENSITY, PULSE	MODULATED , EM ENERGY: A SEARCH FOR MECHANISMS	1135
RENT MICROWAVE RANGES IN PULSE-CODE	MODULATION AND CONTINUOUS GENERATION	1365
METHODS OF PAIN	MODULATION BY ELECTRICAL STIMULATION (IN GERMAN)	1793
THE SENSORIUM AND THE	MODULATION OF CEREBRAL STATES: TONIC ENVIRONMENTAL INFLUENCES ON L	2607
RADIATION ALTERS THE IMMUNE SYSTEM:	MODULATION OF IN VIVO LYMPHOCYTE MIGRATION BY WHOLE-BODY HYPERTHER	0253
BLOOD FROM FEMALE RATS: SEX STEROID	MODULATION OF RESPONSE TO ELECTRICAL STIMULATION OF PREOPTIC AREA	0635
RADIATION ALTERS THE IMMUNE SYSTEM:	MODULATION OF T-AND B-LYMPHOCYTE LEVELS AND CELL- MEDIATED IMMUNOC	0171
MICROWAVE RADIATION--I. EFFECT OF	MOISTURE CONTENT AND POST-RADIATION HYDRATION	1961
EAK 45-75 HZ EM FIELDS ON THE SLIME	MOLD PHYSARUM POLYCEPHALUM	2182
CONTRIBUTIONS TO THE	MOLECULAR DIELECTRIC ANALYSIS OF POLAR LIQUIDS (I)	2282
ICROWAVE FIELDS AT THE CELLULAR AND	MOLECULAR LEVEL	0873
OWAVE RADIATION AT THE CELLULAR AND	MOLECULAR LEVEL	0896
ICROWAVE FIELDS AT THE CELLULAR AND	MOLECULAR LEVEL	1255
OWAVE RADIATION AT THE CELLULAR AND	MOLECULAR LEVEL	3268
ICROWAVE FIELDS AT THE CELLULAR AND	MOLECULAR LEVEL	3270
	MOLECULAR MECHANISMS FOR MICROWAVE ABSORPTION IN BIOLOGICAL SYSTEM	1535
ATOMIC AND	MOLECULAR MECHANISMS UNDERLYING BIOLOGICAL INTERACTION WITH EM RAD	2425
GNETIC FIELDS AND BIOLOGIC SYSTEMS:	MOLECULAR MECHANISMS	3269
E PRE-EXISTING ANATOMY OF CELLS AND	MOLECULAR MOTIONS	2986
	MOLECULAR RESPONSE CHARACTERISTICS TO ULTRA-HIGH FREQUENCY FIELDS	1562
USSION PAPER: RAMAN SPECTROSCOPY OF	MOLECULAR SPECIES DURING EXPOSURE TO 100-MHZ RADIO-FREQUENCY FIELD	1084
MICROWAVE ABSORPTION AND	MOLECULAR STRUCTURE IN LIQUIDS IX. MEASUREMENT IN ORGANIC HALIDES	3344
AND RADIO FREQUENCY RADIATION WITH	MOLECULAR SYSTEMS	1533
ISTICS OF EM FIELD INTERACTION WITH	MOLECULAR SYSTEMS	2424
	MOLECULAR TRANSFER CHARACTERISTICS OF AIR BETWEEN 40 AND 140 GHZ	3261
THE DETECTION OF RF DAMAGE TO HIGH	MOLECULAR WEIGHT BIOPOLYMERS BY RAMAN SPECTROSCOPY	1609
DIELECTRIC INCREMENT OF LOW	MOLECULAR WEIGHT RNA IN DIOXANE AFTER APPLICATION OF STATIC ELECTR	0641
ITY OF SOLUTION OF SMALL BIOLOGICAL	MOLECULES AT RADIOWAVE AND MICROWAVE FREQUENCIES	1304
E EFFECTS OF MICROWAVE RADIATION ON	MOLECULES OF BIOLOGICAL IMPORTANCE	2976
ABSORPTION OF MICROWAVES BY	MOLECULES	3244
VE CELLS OF ISOLATED GANGLIA IN THE	MOLLUSK /PLANORBIS CORNEUS/ UNDER THE INFLUENCE OF A UHF EM FIELD	1500
G POTENTIAL OF GIANT NEURONS OF THE	MOLLUSK HELIX POMATIA (IN RUSSIAN)	2581
E BALANCE AND METABOLISM OF COPPER,	MOLYBDENUM AND IRON IN THE ORGANISMS OF LABORATORY ANIMALS	2808
M AND DISTRIBUTION OF IRON, COPPER,	MOLYBDENUM , MANGANESE, AND NICKEL IN THE ORGANS OF A BODY EXPOSED	2806
ND METABOLISM OF COPPER, MANGANESE,	MOLYDENUM , AND NICKEL IN THE ORGANISM OF EXPERIMENTAL ANIMALS	1505
ND ELECTROENCEPHALOGRAM OF A RHESUS	MONDEY	0999
XPOSURE IN PARENTS OF CHILDREN WITH	MONGOLISM (DOWN'S SYNDROME)	2035
THE EPIDEMIOLOGICAL STUDY OF	MONGOLISM IN BALTIMORE	2523
MINIATURE PORTABLE MICROWAVE POWER	MONITOR	1146
A LOW FREQUENCY H-FIELD RADIATION	MONITOR	2200
D CRYSTAL ELECTROMAGNETIC RADIATION	MONITOR	2375
A NON CONTACT TEMPERATURE	MONITOR FOR THE AUTOMATIC CONTROL OF MICROWAVE OVENS	0038
ATION METHOD FOR A COMMERCIAL POWER	MONITOR FOR USE WITH HIGH POWER MICROWAVE GENERATORS, (FDA) 73-801	3039
CONTINUOUS	MONITOR OF DANGEROUS LEVELS OF MICROWAVE POWER	0800
QUES FOR MICROWAVE RADIATION HAZARD	MONITORING	0539
D CRYSTAL CALORIMETER FOR RADIATION	MONITORING	1143
	MONITORING AND DIAGNOSIS OF PULMONARY EDEMA BY MICROWAVES: A PRELI	2463
INTERFERENCE AND COMPATIBILITY	MONITORING AND MEASUREMENTS FOR UHF SATELLITE EARTH TERMINALS	3510
CALORIMETRIC AND TISSUE TEMPERATURE	MONITORING APPLICATIONS	2201
RF HEALTH HAZARDS AND	MONITORING METERS--RECENT NOTES	0698
	MONITORING OF ARTERIAL WALL MOVEMENT BY MICROWAVE DOPPLER RADAR	0283
METERLESS	MONITORING OF RADIATION NOW IN SIGHT	2470
PROJECT SANGUINE:	MONITORING POPULATIONS OF SOIL ANIMALS AT THE WISCONSIN TEST FACIL	2276
YOMAGNETIC AND OTHER REMOTE MEDICAL	MONITORING TECHNIQUES: A REVIEW	2726

URES FOR THE OFFICE OF RESEARCH AND	MONITORING TWINEBROOK RESEARCH LABORATORY, ROCKVILLE, MARYLAND	2971
CAPABILITY OF THE FCC MOBILE	MONITORING VAN	3148
MANAGEMENT MEETING ON MEASUREMENTS/	MONITORING , NOTES ON BACKGROUND AND PROPOSED INTERIM PROGRAM	3511
TO 10 GHZ FOR EVALUATING RADIATION	MONITORS	0251
HIGH SENSITIVITY EM LEAKAGE	MONITORS	1147
THERMOCOUPLE POWER	MONITORS	1721
TION PRODUCES CONVULSIONS, DEATH IN	MONKEY	0621
LOGIC ASPECT OF RF RADIATION IN THE	MONKEY	2030
ICITY OF HYPERTHERMIA IN THE BONNET	MONKEY (M.RADIATA)	2928
L CALCULATIONS OF POWER ABSORBED BY	MONKEY AND HUMAN PROLATE SPHEROIDAL PHANTOMS IN AN IRRADIATION CHA	2193
QUENCY POWER ABSORPTION IN MONKEYS,	MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	1778
QUENCY POWER ABSORPTION IN MONKEYS,	MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	2190
D CATARACT FORMATION IN RABBITS AND	MONKEYS	1128
CT SCHEDULE-CONTROLLED BEHAVIOUR OF	MONKEYS	1169
BEHAVIOR AND TEMPERATURE IN RHESUS	MONKEYS	2158
ON SCHEDULE CONTROLLED BEHAVIOR OF	MONKEYS	2162
VIORAL AND OCULAR EFFECTS ON RHESUS	MONKEYS	2347
N THE ELECTROCARDIOGRAM OF SQUIRREL	MONKEYS (SAIMIRI SCIUREUS)	2496
AND COLONIC TEMPERATURE OF SQUIRREL	MONKEYS (SAIMIRI SCIUREUS) DURING MICROWAVE IRRADIATION	2539
ABSENCE OF EM PULSE EFFECTS ON	MONKEYS AND DOGS	0498
AND DIELECTRIC MODELS OF HUMANS AND	MONKEYS AT RADIO FREQUENCIES	2737
ASURED BY REACTION TIME IN SQUIRREL	MONKEYS EXPOSED FOR SHORT PERIODS TO EXTREMELY LOW-FREQUENCY MAGNE	1297
A PSYCHOBIOLOGICAL STUDY OF RHESUS	MONKEYS EXPOSED TO EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC	1212
ENDOCRINE FUNCTION IN RHESUS	MONKEYS EXPOSED TO PULSED MICROWAVE RADIATION	0254
EXPOSURE OF SQUIRREL	MONKEYS FOR LONG PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELD	1752
OPERANT BEHAVIOR OF RHESUS	MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY LOW INTENSITY M	3274
OPERANT BEHAVIOR OF RHESUS	MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY M	0764
OPERANT BEHAVIOR OF RHESUS	MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY M	0765
OPERANT BEHAVIOR OF RHESUS	MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY M	0766
REPEATED EXPOSURE OF UNANESTHETIZED	MONKEYS TO 9.3 GHZ MICROWAVES	0174
RADIOFREQUENCY POWER ABSORPTION IN	MONKEYS , MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ	1778
RADIOFREQUENCY POWER ABSORPTION IN	MONKEYS , MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ	2190
ON NEUROPHYSIOLOGY AND BEHAVIOR OF	MONKEYS , PHASE I: CONTINUOUS WAVE	1373
ELECTRO-ACUPUNCTURE ANALGESIA IN	MONKEYS : A BEHAVIORAL AND NEUROPHYSIOLOGICAL ASSESSMENT	2362
ND NOREPINEPHRINE AND THE EFFECT ON	MONOAMINE METABOLIZING ENZYMES	0570
THESIS TURNOVER AND UPTAKE OF BRAIN	MONOAMINES	1893
ENTRATION OF GUANOSINE 3':5'-CYCLIC	MONOPHOSPHATE AND THE ACTIVITY OF GUANYLATE CYCLASE IN RAT SALIVAR	1699
CYCLIC ADENOSINE	MONOPHOSPHATE IN BRAIN AREAS: MICROWAVE IRRADIATION AS A MEANS OF	0716
EFFECT OF ANENOSINE	MONOPHOSPHORIC ACID ON OXIDATIVE PHOSPHORYLATION IN THE LIVER DURI	1838
THE DESIGN OF A	MONOPOLE RADIATOR TO INVESTIGATE THE EFFECT OF MICROWAVE RADIATION	1175
C FISH, MARCUSENIUS CYPRINOIDES L. (	MORMYRIFORMES)	1176
	MORPHOFUNCTIONAL STATUS OF THE HYPOPHYSEOGONADAL SYSTEM DURING EXP	1401
	MORPHOGENESIS AS INFLUENCED BY LOCALLY ADMINISTERED MAGNETIC FIELD	2114
	MORPHOLOGIC ALTERATIONS IN HAMSTER BLOOD-BRAIN BARRIER AFTER MICRO	2787
EXPERIMENTAL	MORPHOLOGIC AND ELECTROENCEPHALOGRAPHIC STUDIES OF MICROWAVE EFFEC	1063
	MORPHOLOGICAL ABNORMALITIES RESULTING FROM RADIOFREQUENCY TREATMEN	0964
EVIDENCE OF	MORPHOLOGICAL AND PHYSIOLOGICAL TRANSFORMATION OF MAMMALIAN CELLS	0660
	MORPHOLOGICAL CHANGES IN ADULT TENEBRIO MOLITOR (COLEOPTERA: TENEB	1976
	MORPHOLOGICAL CHANGES IN EXPERIMENTAL ANIMALS EXPOSED TO RF EM FIE	1359
RDIAC ACTIVITY AND RESPIRATION, AND	MORPHOLOGICAL CHANGES IN THE BRAIN OF PIGEONS UNDER THE ACTION OF	1308
	MORPHOLOGICAL CHANGES IN THE CELLS OF CORTI'S ORGAN FOLLOWING EXPO	0990
	MORPHOLOGICAL CHANGES OF THE PLACENTA UNDER THE INFLUENCE OF SHORT	0541
	MORPHOLOGICAL CHARACTERISTICS OF THE BIOLOGICAL ACTION PRODUCED BY	2494
	MORPHOLOGICAL INVESTIGATIONS ON THE INFLUENCE OF MICROWAVES ON THE	1945
ELECTROENCEPHALOGRAPHIC AND	MORPHOLOGICAL STUDIES OF THE EFFECT OF RADIOWAVES ON THE NERVOUS S	1351
A AND CHOLINE AND TO PRESERVE BRAIN	MORPHOLOGY	1326
THYROID	MORPHOLOGY AND ACTIVITY DOES NOT RESPOND TO ELF ELECTROMAGNETIC FI	0164
CROWAVE RADIATION (2450 MHZ) ON THE	MORPHOLOGY AND CHROMOSOMES OF LYMPHOCYTES	2751
HE EFFECT OF MICROWAVE RADIATION ON	MORPHOLOGY AND FUNCTION OF RAT TESTIS	2893
EFFECT OF MICROWAVES ON THE	MORPHOLOGY AND FUNCTION OF THE THYROID GLAND (IN POLISH)	1923
	MORPHOPHSIOLOGICAL CHANGES UNDER THE EFFECTS OF RADIOFREQUENCY ELE	3026
ETWEEN GEOMAGNETIC DISTURBANCES AND	MORTALITY	1229
	MORTALITY AND INTERNAL HEATING IN RADIOFREQUENCY-TREATED LARVAE OF	0962
	MORTALITY IN RATS EXPOSED TO CW MICROWAVE RADIATION AT 0.95, 2.45,	1388
	MORTALITY PATTERNS OF MOUSE SARCOMA 180 CELLS RESULTING FROM DIREC	3468

ATION: A TECHNIQUE TO MINIMIZE POST	MORTEM CHANGES OF CYCLIC NUCLEOTIDES, DOPA AND CHOLINE AND TO PRES	1326
LOW FREQUENCIES,	MOTILE CELLS, MEASUREMENTS AND MODELS, PART I (THE EFFECTS OF LOW	0636
LD INDUCED CHANGES IN THE SHAPE AND	MOTILITY OF AMOEBAS	0813
FIELD FREE OF RESIDUAL WAVES ON THE	MOTILITY OF THE MOUSE (IN GERMAN)	2703
GASTROINTESTINAL	MOTOR ACTIVITY FOLLOWING EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIE	1853
MICROWAVE RADIATION ON SPONTANEOUS	MOTOR ACTIVITY IN RATS	1093
	MOTOR ACTIVITY OF MUSCLES IN A MAGNETIC FIELD OF VARYING INTENSITY	2216
	MOTOR COORDINATION OR BALANCE DEGRADATION DURING MICROWAVE ENERGY	0349
MITOTIC DELAY IN THE SLIME	MOULD PHYSARUM POLYCEPHALUM INDUCED BY LOW INTENSITY 60 AND 75 HZ	0907
MHZ) ON THE IMMUNE RESPONSE OF THE	MOUSE	0312
EATH AND TOTAL ABSORBED DOSE IN THE	MOUSE	0849
WAVE RADIATION ON THE WHITE RAT AND	MOUSE	1891
E INDUCED AVOIDANCE BEHAVIOR IN THE	MOUSE	2167
RADIORESISTANT FIBROSARCOMA IN THE	MOUSE	2335
ITIVITY TO PENTETRAZOL OF THE WHITE	MOUSE (IN FRENCH)	0862
EHRLICH'S-ASCITES CARCINOMA IN THE	MOUSE (IN GERMAN)	1187
SIDUAL WAVES ON THE MOTILITY OF THE	MOUSE (IN GERMAN)	2703
SICAL MEANS, OF THE DEFENSES OF THE	MOUSE AND RAT AGAINST EXPERIMENTAL TRYPANOSOMA	1773
	MOUSE BONE MARROW REACTION TO ALTERED UHF MILLIMETER IRRADIATION P	1485
ATION ON ENZYMES AND METABOLITES IN	MOUSE BRAIN	2466
NEUROTRANSMITTER CONTENT OF	MOUSE BRAIN AFTER INACTIVATION BY MICROWAVE HEATING	0902
CTIVE DRUGS ON CYCLIC AMP LEVELS IN	MOUSE BRAIN AND LUNG FOLLOWING MICROWAVE IRRADIATION	2769
LABILE INTERMEDIARY METABOLITES IN	MOUSE BRAIN FOLLOWING RAPID TISSUE FIXATION WITH MICROWAVE IRRADIA	0810
THE LEVELS OF GABA IN	MOUSE BRAIN FOLLOWING TISSUE INACTIVATION BY MICROWAVE IRRADIATION	2053
L ON ACETYLCHOLINE CONCENTRATION IN	MOUSE BRAIN REGIONS	1202
GIONAL TURNOVER OF ACETYLCHOLINE IN	MOUSE BRAIN: METHODOLOGICAL AND FUNCTIONAL ASPECTS	2527
E MICROWAVE HYPERTHERMIA OF A MODEL	MOUSE CARCINOMA	0046
FERATION OF EPITHELIAL CELLS IN THE	MOUSE DUODENUM	0065
OBSERVATIONS OF	MOUSE FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES	0006
OBSERVATIONS OF	MOUSE FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES - LETTERS	0410
ODUCTION OF CONGENITAL ANOMALIES IN	MOUSE FETUSES EXPOSED TO EMR	1615
ARE	MOUSE FETUSES WHICH SURVIVE MICROWAVE RADIATION PERMANENTLY AFFECT	1247
KINETICS OF	MOUSE HEMATOPOIETIC COLONY-FORMING UNITS FOLLOWING INJURY BY 2450	3386
IBOINOSINIC- POLYRIBOCYTIDYLIC, AND	MOUSE INTERFERON	0053
AND RADIATION TREATMENT OF A SOLID	MOUSE MAMMARY ADENOCARCINOMA IN VIVO (LETTER TO THE EDITOR)	2819
D HYPERTHERMIA ON THE RESPONSE OF A	MOUSE MAMMARY TUMOR	3423
INJURY AND RECOVERY OF THE	MOUSE ORGANISM AFTER MICRO- WAVE (2,400 MHZ) IRRADIATION. (IN RUS	0194
LEVELS OF CYCLIC NUCLEOTIDES IN	MOUSE REGIONAL BRAIN FOLLOWING 300MS MICROWAVE INACTIVATION	2526
MORTALITY PATTERNS OF	MOUSE SARCOMA 180 CELLS RESULTING FROM DIRECT HEALTH AND CHRONIC M	3468
CTROSTATIC FIELD INDUCED CHANGES IN	MOUSE SERUM PROTEINS	2050
OR SEPARATING EPIDERMAL TISSUE FROM	MOUSE SKIN PRESERVING RNA, DNA, PROTEIN, AND PHORBOL ESTER-INDUCED	2825
ON THE LIPID METABOLISM OF SEVERAL	MOUSE STRAINS	3404
EFFECTS OF 2450 MHZ MICROWAVES ON	MOUSE TESTICULAR CYTOLOGY	2894
RESPONSES OF THE	MOUSE TO MICROWAVE RADIATION DURING ESTROUS CYCLE AND PREGNANCY	0930
ELECTRICALLY ENCAPSULATED MALIGNANT	MOUSE TUMOR	2739
MICROWAVE HEATING OF MALIGNANT	MOUSE TUMORS AND TISSUE EQUIVALENT PHANTOM SYSTEMS	1116
S FAR-FIELD IRRADIATION OF MULTIPLE	MOUSE TUMORS FOR MICROWAVE HYPERTHERMIA	0322
OSTRIDIAL ONCOLYSIS ON EXPERIMENTAL	MOUSE TUMORS	0323
HYPERTHERMIA ON THE GROWTH OF SOLID	MOUSE TUMORS	0333
E PLASTICITY OF ARTIFICIALLY EVOKED	MOVEMENTS	2861
P AND CYCLIC GMP IN THE RAT GASTRIC	MUCOSA	2860
ION OF THE NEURALLY BLOCKED GASTRIC	MUCOSA OF THE RAT	0623
PERMEABILITY OF THE	MUCOUS MEMBRANE OF THE FRONTAL SINUS UNDER THE INFLUENCE OF MICROW	1302
INDUCED BIOLOGICAL DAMAGE IN MACACA	MULATTA	2397
THERMAL RESPONSE IN MACACA	MULATTA EXPOSED TO 15- AND 20-MHZ RADIOFREQUENCY RADIATION	2644
TECHNICAL NOTE: A	MULTI-CHANNEL SYSTEM FOR MICROWAVE HEATING OF TISSUES	0422
E DIMENSIONAL ELECTRIC FIELD NEAR A	MULTI-CONDUCTOR TRANSMISSION LINE, INCLUDING THE EFFECTS OF VERTIC	3103
ABSORPTION CHARACTERISTICS OF	MULTI-LAYERED SPHERE MODELS EXPOSED TO UHF/MICROWAVE RADIATION	1715
CORNER-REFLECTOR APPLICATORS FOR	MULTILATERAL EXPOSURE OF ANIMALS IN BIOEFFECTS EXPERIMENTS	0386
FORMATION OF HOT SPOTS IN	MULTILAYER SPHERES	1208
NERGY DEPOSITION IN HOMEGENEOUS AND	MULTILAYER TISSUE SPHERES AND EFFECT OF CIRCULATION	2447
ELECTROMAGNETIC ABSORPTION IN A	MULTILAYERED MODEL OF MAN	0127
R DENSITY ABSORPTION IN A SPHERICAL	MULTILAYERED MODEL OF THE HEAD	2198
CAL MEDIA: PT II, THE SCAT PROGRAM,	MULTILAYERED SPHERES, THEORY AND APPLICATIONS	0263
F THE COEFFICIENT OF REFLECTION FOR	MULTILAYERED SYSTEMS OF BIOLOGICAL TISSUES IN THE MICROWAVE RANGE	0605

A	MULTIPLE-ANIMAL ARRAY FOR EQUAL POWER DENSITY MICROWAVE IRRADIATIO	2127
A AND DIFFERENTIAL HYPOTHERMIA IN A	MURINE GLIOMA	2364
OWAVE THERAPY EXPERIMENTS WITH B-16	MURINE MELANOMA	1963
ECTS OF RADIOFREQUENCY RADIATION ON	MURINE PERIPHERAL WHITE BLOOD CELL POPULATION	2345
PTIC PROPERTIES OF THE FROG CARDIAC	MUSCLE (IN RUSSIAN)	1398
CHANGES OF	MUSCLE ACTION IN BIRDS EXPOSED TO A MICROWAVE FIELD	0760
RMITTIVITY AND PENETRATION DEPTH OF	MUSCLE AND FAT TISSUES BETWEEN 40 AND 90 GHZ	1234
MICROWAVE THERAPY AND	MUSCLE BLOOD FLOW IN MAN	1156
ELECTRICAL STIMULATION OF SKELETAL	MUSCLE CELL CULTURES	1017
NAVALIN A RECEPTORS ALONG EMBRYONIC	MUSCLE CELL MEMBRANE	1837
ICROWAVE IRRADIATION ON BIOELECTRIC	MUSCLE CELL PROPERTIES AND ON WATER PERMEABILITY AND ITS DISTRIBUT	0874
EFFECT OF MICROWAVE FIELDS ON	MUSCLE CONTRACTION	1190
ACETYLCHOLINE RECEPTOR SYNTHESIS IN	MUSCLE CULTURES BY ELECTRICAL STIMULATION	0672
FISH	MUSCLE IN THE FROZEN STATE: TIME DEPENDENCE OF ITS MICROWAVE DIELE	0901
SOME DIELECTRIC PROPERTIES OF	MUSCLE MEMBRANE AND THEIR POSSIBLE IMPORTANCE FOR EXCITATION-CONTR	2837
EQUENCY EM FIELD PULSES ON SKELETAL	MUSCLE METABOLISM IN THE RAT	2048
EFFECTS OF SHF FIELDS ON	MUSCLE OXYGEN TENSION AND TEMPERATURE IN RATS ADAPTED TO HYPOXIA	0378
ON OF DEMAND PACEMAKERS BY SKELETAL	MUSCLE POTENTIALS	2839
IMULATION ON THE SENSITIVITY OF THE	MUSCLE SPINDLE SECONDARY ENDING TO SMALL AMPLITUDE SINUSOIDAL STRE	2641
IRRADIATION ON THE ENZYMES OF BEEF	MUSCLE TISSUE	2561
E OF RESPONSES OF ESOPHAGEAL SMOOTH	MUSCLE TO ELECTRICAL FIELD STIMULATION	2548
OUPLING OF GAUSSIAN EM PULSE INTO A	MUSCLE-BONE MODEL OF BIOLOGICAL STRUCTURE	1124
DOSE DISTRIBUTIONS IN TWO SUZES OF	MUSCLE-EQUIVALENT SPHERES	1027
DOSE DISTRIBUTIONS IN TWO SIZES OF	MUSCLE-EQUIVALENT SPHERES	3600
ICROWAVE IRRADIATED CHEST AND HEART	MUSCLES (IN JAPAN)	0087
ATOR FOR COMPLEX STIMULATION OF LEG	MUSCLES DURING WALKING	0094
MOTOR ACTIVITY OF	MUSCLES IN A MAGNETIC FIELD OF VARYING INTENSITY (IN RUSSIAN)	2216
UENCE OF A STRONG MAGNETIC FIELD ON	MUSCULAR CONTRACTION	3249
CHANGES IN	MUSCULAR FORCE IN ELDERLY SUBJECTS CAUSED BY ELECTRICAL STIMULATIO	3402
ECTRIC FIELD PROBE WITHIN SIMULATED	MUSCULAR TISSUES	2207
ENVIRONMENTAL	MUTAGEN SOCIETY 6TH ANNUAL MEETING, PROGRAM AND ABSTRACTS: NON-TH	3621
	MUTAGENESIS BY RADIOWAVES IN ANTIRRHINUM MAJUS L	1377
Y AND OF CONSTANT MAGNETIC FIELD ON	MUTAGENESIS IN THE PRESENCE OF ANTIBIOTICS (IN RUSSIAN)	2001
A NEGATIVE TEST FOR	MUTAGENIC ACTION OF MICROWAVE RAD. IN DROSOPHILA MELANOGASTER	0368
	MUTAGENIC ACTION OF NON-IONIZING RADIATIONS: ITS IMPLICATION IN RA	2057
	MUTAGENIC AND REPRODUCTIVE TESTS IN MALE RATS EXPOSED TO 425 OR 24	3388
L TEST AND DNA STUDIES IN MEASURING	MUTAGENICITY CAUSED BY NON-IONIZING RADIATION	2177
THE EVALUATION OF CHEMICAL	MUTAGENICITY DATA IN RELATION TO POPULATION RISK	3085
	MUTAGENICITY INDUCED BY NON-IONIZING RADIATION IN SWISS MALE MICE	2178
N ESCHERICHIA COLI REPAIR-DEFICIENT	MUTANT	0227
URE TO NONTHERMAL FM RADIO WAVES TO	MUTATE DROSOPHILA	2587
T OF MICROWAVE EXPOSURE ON BACTERIA	MUTATION INDUCTION	2179
IC FIELDS ON THE GROWTH AND RATE OF	MUTATIONS OF VARIOUS MICRO-ORGANISMS	1593
MINAL NUCLEOTOMY AND EXTRALEMNISCAL	MYELOTOMY	3426
BASELINE SHIFTS DURING EXPERIMENTAL	MYOCARDIAL INFARCTION	2104
LONG-TERM CONTROL OF	MYOCARDIAL THRESHOLD MEASURED BY MEANS OF A RADIOFREQUENCY SYSTEM	2078
ON THE INDICES OF HEMODYNAMICS AND	MYOCARDIUM CONTRACTILITY IN PATIENTS WITH AURICULAR FIBRILLATION (	1396
ORIENTATION OF ACTIN AND	MYOSIN FILAMENTS IN INTERMEDIATE STRENGTH MAGNETIC FIELDS	2338
	MYOSIN SYNTHESIS INCREASED BY ELECTRICAL STIMULATION OF SKELETAL M	1017
EFFECTS EXPERIMENTS: HEART RATE AND	MYOTATIC REFLEX OF FROGS	1607
RADIOFREQUENCY	MYOTOMY	0540
ICROWAVE SURVEY INSTRUMENT, BRH/DEP	N71-2	3040
OF PYRAMIDAL HORN ANTENNAE, BRH/DEP	N71-3	3041
W DETECTORS, (FDA) 72-8004, BRH/DEP	N72-2	3042
CONDS METER, (FDA) 73-8004, BRH/DEP	N73-1	3043
RUMENTATION, (FDA) 73-8030, BRH/DEP	N73-3	3044
THE EFFECTS OF MICROWAVES ON K+ AND	NA+ TRANSPORT IN HUMAN ERYTHROCYTES	1458
PHYSIOLOGICAL EFFECTS OF	NAACH VOLTAGES	2541
G BY MICROWAVES AT FREQUENCIES 2456	NAD 900 MEGACYCLES	3544
ATTER IN HUMANS AND ITS REVERSAL BY	NALOXONE	2858
ENCY RADIATIONS: A ROSE BY ANOTHER	NAME IS A CABBAGE	2381
FOR A 3-SECOND RESPONSE TIME IN THE	NARDA 81100 MICROWAVE SURVEY INSTRUMENT, BRH/DEP N71-2	3040
THERMAL PROFILES OF	NATIVE AND MICROWAVE-IRRADIATED DNA	2352
	NATURAL AND MAN MADE FACTORS DECREASING THE NATURAL ELECTRIC FIELD	2844
BIOLOGICAL EFFECT OF	NATURAL AND WEAK ARTIFICIAL MAGNETIC FIELDS (ON THE STATE OF THE A	1003

AND MAN MADE FACTORS DECREASING THE	NATURAL ELECTRIC FIELD (IN GERMAN)	2844
THE	NATURAL HISTORY OF ELECTRICAL INJURY	2535
E EFFECT OF A MAGNETIC FIELD ON THE	NATURAL RESISTANCE OF WHITE MICE TO LISTERIA INFECTION	2486
: TESTS FOR POSSIBLE IMPACT ON FIVE	NATURALLY EXPOSED ANIMAL POPULATIONS	1765
QUOTIENT IN FIVE ANIMAL POPULATIONS	NATURALLY EXPOSED TO SANGUINE EM FIELDS	1390
S OF INVERTEBRATES AND A VERTEBRATE	NATURALLY EXPOSED TO SANGUINE EM FIELDS	1706
QUOTIENT IN FIVE ANIMAL POPULATIONS	NATURALLY EXPOSED TO SANGUINE EM FIELDS	1763
XTREMELY LOW FREQUENCY EM FIELDS IN	NATURE	1108
SANGUINE/SEAFARER ELF EM FIELDS IN	NATURE	1647
NCY EM FIELDS ON SOIL ARTHROPODS IN	NATURE	1766
TERM EXPOSURE ON SOIL ARTHROPODS IN	NATURE	1769
OIL ARTHROPODS AND OTHER ANIMALS IN	NATURE	2160
THE	NATURE OF CHANGES IN SOME METABOLIC INDICES IN RESPONSE TO NONTHER	2805
THE	NATURE OF ELECTROSENSING IN THE FISH	1038
THE BASIS OF DYNAMIC STUDIES ON THE	NATURE OF RADIATION DURING A WORK SHIFT	1437
THE	NATURE OF THE EFFECT OF A HIGH-FREQUENCY ELECTRIC FIELD UPON PARAM	3464
THE	NATURE OF THE EFFECT OF A MAGNETIC FIELD ON NUTRIENT MEDIUM COMPOS	2482
EM SIGNALS IN LIVING	NATURE : FACTS, HYPOTHESES, DIRECTIONS OF RESEARCH	0929
RADIATION HAZARDS AT PATUXENT RIVER	NAVAL AIR TEST CENTER (MARYLAND)	3596
IO- FREQUENCY FIELDS ENCOUNTERED IN	NAVAL OPERATIONS	2573
RADAR RADIATION PROTECTIVE SUIT FOR	NAVAL PERSONNEL	2604
F HAZARDOUS MICROWAVE FIELDS ABOARD	NAVAL SHIPS	0485
RADIO FREQUENCY HAZARDS ABOARD	NAVAL SHIPS	1565
ANIMAL MIGRATION,	NAVIGATION , AND HOMING	0003
EMR HAZARDS IN THE	NAVY	1200
	NAVY RESEARCHERS DEVELOP NEW SUB-MILLIMETER-WAVE POWER SOURCE	1661
Y EM RADIATIONS ASSOCIATED WITH THE	NAVY SEAFARER COMMUNICATION SYSTEM	1885
	NAVY SPONSORED ELF BIOLOGICAL AND ECOLOGICAL RESEARCH SUMMARY (UPD	1790
	NAVY SPONSORED ELF BIOMEDICAL AND ECOLOGICAL RESEARCH SUMMARY	1431
ANGUINE: OVERVIEW AND STATUS OF THE	NAVY 'S ELF COMMUNICATIONS SYSTEM CONCEPT	1667
THE U.S.	NAVY 'S PROGRAM IN NON-IONIZING RADIATION	2519
BACKGROUND RADIATION LEVEL LIES	NEAR 'DANGER' MARK	1178
UREMENTS OF ELECTRIC FIELD STRENGTH	NEAR A 765 KV OVERHEAD POWER TRANSMISSION LINE	3558
STEP POTENTIAL AND BODY CURRENT	NEAR A BURIED HORIZONTAL BARE CONDUCTOR IN A TWO-LAYER EARTH	1635
ELECTRIC AND MAGNETIC FIELDS	NEAR A CIRCULAR LOOD AT 27 MHZ	3310
SCATTERED MICROWAVE FIELDS	NEAR A FINITE, PLANAR, DIELECTRIC SLAB	2720
PLANEWAVE IRRADIATION OF MAN MODEL	NEAR A GROUND PLANE	0242
CALCULATED FIELD INTENSITIES	NEAR A HIGH POWER UHF BROADCAST INSTALLATION	0754
THE ELECTRIC-FIELD PROBE	NEAR A MATERIAL INTERFACE WITH APPLICATION TO THE PROBING OF FIELD	0093
HE THREE DIMENSIONAL ELECTRIC FIELD	NEAR A MULTI-CONDUCTOR TRANSMISSION LINE, INCLUDING THE EFFECTS OF	3103
EXPLORATORY FIELD INTENSITY SURVEYS	NEAR FAA TRANSMITTING ANTENNAS	1953
	NEAR FIELD INSTRUMENTATION	0551
N OF AERIAL RADIATION PATTERNS FROM	NEAR FIELD MEASUREMENTS	3294
D BEHAVIORAL STUDIES OF RATS IN THE	NEAR FIELD OF 918-MHZ RADIATIONS	2818
POWER DENSITY IN	NEAR FIELD OF SMALL LINEAR ANTENNAS	1642
POWER DENSITY MEASUREMENTS IN THE	NEAR FIELDS	1149
TIPS ON HOW TO BEHAVE	NEAR HIGH VOLTAGE POWER LINES	3566
MEASUREMENTS OF EM RADIATION FIELDS	NEAR MICROWAVE OVENS	0571
AL ESTIMATES OF OZONE CONCENTRATING	NEAR OPERATING LINES	3113
OF THE HEALTH OF PERSONNEL WORKING	NEAR PROJECT SANGUINE BETA TEST FACILITY FROM 1971 TO 1972	1668
OF THE HEALTH OF PERSONNEL WORKING	NEAR PROJECT SANGUINE TEST FACILITY FROM 1971 TO 1972	3273
N IN MODELS OF MAN WITH FREQUENCIES	NEAR RESONANCE	2188
MICROWAVE HAZARD MEASUREMENTS	NEAR VARIOUS AIRCRAFT RADARS	0779
ELECTROMAGNETIC FIELDS IN THE	NEAR VICINITY OF TRANSMISSION LINE TOWERS	3172
ADIAN ACTIVITY RHYTHM INFLUENCED BY	NEAR ZERO MAGNETIC FIELD	0688
	NEAR ZONE MICROWAVE EXPOSURE OF A BIOLOGICAL SPHERE	1309
DEVELOPMENT OF	NEAR-FIELD ELECTRIC ENERGY DENSITY METER MODEL EDM-2	1011
DEVELOPMENT OF AN RF	NEAR-FIELD EXPOSURE SYNTHESIZER (10 TO 40 MHZ)	1845
	NEAR-FIELD MEASUREMENTS OF RF FIELDS	2666
MAPPING OF THE	NEAR-FIELD PATTERN IN SIMULATED BIOLOGICAL TISSUES	0145
DEVELOPMENT OF MAGNETIC	NEAR-FIELD PROBES	1186
EVELOPMENT OF ELECTRIC AND MAGNETIC	NEAR-FIELD PROBES	1263
	NEAR-FIELD RADIATION PROPERTIES OF SIMPLE LINEAR ANTENNAS WITH APP	0192
VELOPMENT AND CONSTRUCTION OF AN EM	NEAR-FIELD SYNTHESIZER	0958
MAGNETIC FIELD UNIFORMITY AROUND	NEAR-HELMHOLTZ COIL CONFIGURATIONS	3309

	NEAR-ZONE CALIBRATIONS FOR MICROWAVE ANTENNAS + FIELD STRENGTH AND	3298
A NEW	NEAR-ZONE ELECTRIC-FIELD-STRENGTH METER	3527
A PROGRAM FOR CALCULATION	NEAR-ZONE GAIN OF PYRAMIDAL HORN ANTENNAE, BRH/DEP N71-3	3041
	NECESSARY CONDITIONS FOR THE OBSERVATION OF THE BIOLOGICAL EFFECTS	0213
A STUDY TO DETERMINE THE	NECESSITY FOR THE DEVELOPMENT OF STANDARDS FOR THE USE OF SELECTED	0756
A STUDY TO DETERMINE THE	NECESSITY FOR USE OF SELECTED NONMEDICAL ELECTRONIC PRODUCTS FOR C	3037
INARY CLINICAL FINDINGS IN HEAD AND	NECK DISEASES	0271
A STUDY OF HEAD AND	NECK EXPOSURE FROM POLYTOMOGRAPHY	0632
GERM-GAS ELECTRONIC DETECTORS	NEEDED	0528
RESEARCH	NEEDED FOR SETTING OF REALISTIC SAFETY STANDARDS	2981
THE ENVIRONMENTAL PROTECTION AGENCY	NEEDS CONGRESSIONAL GUIDANCE AND SUPPORT TO GUARD THE PUBLIC IN A	0363
RESEARCH	NEEDS FOR ESTABLISHING A RADIO FREQUENCY ELECTROMAGNETIC RADIATION	2915
RESEARCH	NEEDS FOR ESTABLISHING A RADIO FREQUENCY EMR SAFETY STANDARD	0633
MMITTEE C-95 COMMENTS ON: 'RESEARCH	NEEDS FOR ESTABLISHING A RADIO FREQUENCY EMR SAFETY STANDARD'	1800
FUTURE RESEARCH DIRECTIONS AND	NEEDS IN BIOLOGIC EM RADIATION RESEARCH	1105
PANEL DISCUSSION II: FUTURE	NEEDS IN RESEARCH ON THE BIOLOGICAL EFFECTS OF MICROWAVE AND R. F.	1551
CLUSIONS (INCLUDING FUTURE RESEARCH	NEEDS) AND RECOMMENDATIONS	0899
	NEGATIVE INFLUENCE OF BIOMAGNETIC EFFECTS ON THE ORGANISM OF PUPIL	0342
A	NEGATIVE TEST FOR MUTAGENIC ACTION OF MICROWAVE RAD. IN DROSOPHILA	0368
IONS OF MICROWAVE ENERGY TO CONTROL	NEMATODES IN SOIL	1914
IELDS ON EEG AND BEHAVIOR IN MACACA	NEMESTRINA	0831
SOME BEHAVIORAL EFFECTS OF PRE- AND	NEO-NATAL EXPOSURE TO AN ELF ROTATING MAGNETIC FIELD	1004
REWARMING: POSSIBLE APPLICATION FOR	NEONATAL CARDIAC SURGERY	0203
GROWTH AND DEVELOPMENT OF	NEONATAL MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS	0743
T OF REPEATED MICROWAVE EXPOSURE ON	NEONATAL RATS	2744
T OF REPEATED MICROWAVE EXPOSURE IN	NEONATAL RATS	2885
PERTHERMIA OF SPONTANEOUS MALIGNANT	NEOPLASMS OF ANIMALS. A PRECLINICAL STUDY	2329
F MICROWAVE RADIATION ON NORMAL AND	NEOPLASTIC CELLS	2602
ERATURE DISTRIBUTIONS IN NORMAL AND	NEOPLASTIC TISSUES DURING HYPERTHERMIA: LUMPED PARAMETER ANALYSIS	0188
AVES ON THE FUNCTIONAL STATE OF THE	NERVE	1941
OWAVE RADIATION ON THE FROG SCIATIC	NERVE	3192
L DOSAGES OF MICROWAVES ON ISOLATED	NERVE ACTIVITY	2413
NENT INTERACTION BETWEEN PERIPHERAL	NERVE AND A CONSTANT INHOMOGENOUS MAGNETIC FIELD	1002
HANGES IN THE MEMBRANE POTENTIAL OF	NERVE CELLS OF ISOLATED GANGLIA IN THE MOLLUSK /PLANORBIS CORNEUS/	1500
A SEMICLASSICAL THEORY FOR	NERVE EXCITATION BY A LOW INTENSITY EM FIELD	0647
CONDUCTION VELOCITY IN	NERVE EXPOSED TO A HIGH MAGNETIC FIELD	2565
MAGNETIC FIELDS AND	NERVE FUNCTION	0842
	NERVE IN EXCITABLE STATE IN MICROWAVE FIELD	0794
PERIPHERAL	NERVE INJURY FROM IMPLANTATION OF CHRONIC STIMULATING ELECTRODES F	1878
AUTO-ELECTROTHERAPY IN	NERVE LESIONS	3398
FACE-CHARGE DENSITY OF AN EXCITABLE	NERVE MEMBRANE EXPOSED TO OPTICAL RADIATION	1839
S OF PULSED EM ENERGY ON PERIPHERAL	NERVE REGENERATION	1054
CHANGE IN IMPEDANCE OF THE	NERVE STEM OF A FROG UNDER THE ACTION OF VISIBLE LIGHT	3443
RED VERSUS UNFILTERED RF ENERGY FOR	NERVE STIMULATION	1678
	NERVE STIMULATION BY IMPLANTED MICROWAVE DIODE	1494
ELECTROCUTANEOUS	NERVE STIMULATION-11: STIMULUS WAVE-FORM SELECTION	0067
TRICAL STIMULATION OF THE AUTONOMIC	NERVE SUPPLY ON THE CONCENTRATION OF GUANOSINE 3':5'-CYCLIC MONOPH	1699
EM FIELD EFFECTS IN	NERVE TISSUE	1380
MAGNETIC STIMULATION OF	NERVE TISSUE	2116
OF NITROGENOUS SUBSTANCES IN ANIMAL	NERVE TISSUE SUBJECTED TO AN EM FIELD OF UHF	0618
OF NITROGENOUS SUBSTANCES IN ANIMAL	NERVE TISSUE SUBJECTED TO AN EM FIELD OF ULTRAHIGH FREQUENCY	2044
N AT MICRON WAVELENGTHS FROM ACTIVE	NERVES	1039
MICROWAVE STIMULATION OF PERIPHERAL	NERVES	1540
MHZ MICROWAVE FIELDS ON PERIPHERAL	NERVES	2384
MICROWAVE STIMULATION OF PERIPHERAL	NERVES	2513
RIMENTAL REGENERATION IN PERIPHERAL	NERVES AND THE SPINAL CORD IN LAB. ANIMALS EXPOSED TO A PULSED EM	0855
EFFECTS OF RF FIELDS ON	NERVOUS ACTIVITIES	2443
	NERVOUS AND BEHAVIORAL EFFECTS OF MICROWAVE RADIATION IN HUMANS	0568
	NERVOUS AND BEHAVIORAL EFFECTS OF MICROWAVE RADIATION IN HUMANS	3234
VARIATIONS OF EXCITABILITY AND OF	NERVOUS CONDUCTION UNDER THE INFLUENCE OF MICROWAVES (IN FRENCH)	0818
ENCE OF LOW INTENSITY MICROWAVES ON	NERVOUS FUNCTION	2512
FIELD OF A SOLENOID ON THE CENTRAL	NERVOUS SYSTEM	0727
CTIVATION OF ENZYMES IN THE CENTRAL	NERVOUS SYSTEM	1034
INTRODUCTION: EFFECTS OF EMR ON THE	NERVOUS SYSTEM	1056
MODULATED VHF FIELDS ON THE CENTRAL	NERVOUS SYSTEM	1060

STUDIES OF MICROWAVE EFFECTS ON THE NERVOUS SYSTEM 1063
DY MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM 1249
ION OF VARIOUS AREAS OF THE CENTRAL NERVOUS SYSTEM 1348
LINESTERASE ACTIVITY IN THE CENTRAL NERVOUS SYSTEM 1353
DIO FREQUENCY ENERGY ON THE CENTRAL NERVOUS SYSTEM 1538
THE EFFECTS OF EM FIELDS ON THE NERVOUS SYSTEM 1582
LUENCE OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM 1945
TRIC ACTIVITY OF THE RABBIT CENTRAL NERVOUS SYSTEM 1946
FFECT OF MICRO WAVES ON THE CENTRAL NERVOUS SYSTEM 1994
UENCY FIELD ON THE FUNCTIONS OF THE NERVOUS SYSTEM 2025
ON MECHANISM OF ATMOSPHERICS IN THE NERVOUS SYSTEM 2126
ISTOLOGICAL OBSERVATIONS ON CENTRAL NERVOUS SYSTEM 2170
ADIATIONS ON TISSUES OF THE CENTRAL NERVOUS SYSTEM 2552
L FREQUENCY ON THE HUMAN AND ANIMAL NERVOUS SYSTEM 2711
ERTAIN AFFECTIONS OF THE PERIPHERAL NERVOUS SYSTEM 3451
C FIELDS IN INDUSTRY ON THE CENTRAL NERVOUS SYSTEM (EEG DATA) 1426
F DIFFERENT RADIOWAVE RANGES ON THE NERVOUS SYSTEM (SONIC STIMULUS METHOD) 1350
UENCE OF MICROWAVE RADIATION ON THE NERVOUS SYSTEM AND BEHAVIOR 0895
RADIATION EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS 0277
UMMARY OF THE ERMAC WORK SESSION ON NERVOUS SYSTEM AND BEHAVIORAL EFFECTS OF NONIONIZING EM RADIATIONS 1391
UMMARY OF THE ERMAN WORK SESSION ON NERVOUS SYSTEM AND BEHAVORIAL EFFECTS OF NONIONIZING ELECTROMAGNET 3564
MICROWAVE EFFECTS ON CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL FACTORS 2388
NERVOUS SYSTEM CHANGES IN WORKERS OF RADIOTELEVISION STATIONS EXPO 1621
ENDOCRINE AND CENTRAL NERVOUS SYSTEM EFFECTS OF MICROWAVE EXPOSURE 1600
ULSED MICROWAVES (RADAR) ON CENTRAL NERVOUS SYSTEM EXCITABILITY IN LAB. ANIMALS 0637
F MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM IN EXPERIMENTAL ANIMALS 1250
THE ROLE OF THE NERVOUS SYSTEM IN REACTIONS TO UHF EM FIELDS 0525
PARTICIPATION OF THE CENTRAL NERVOUS SYSTEM IN THE REGULATION OF CARBOHYDRATE METABOLISM IN ANI 2327
ANALYSIS OF CENTRAL NERVOUS SYSTEM INVOLVEMENT IN THE MICROWAVE AUDITORY EFFECT 1047
MICROWAVE EXPOSURES ON THE CENTRAL NERVOUS SYSTEM OF BEAGLES 2510
CT OF IRRADIATION CONDITIONS ON THE NERVOUS SYSTEM OF PERSONS WORKING WITHIN THE REACH OF MICROWAVES 2008
ICROWAVE IRRADIATION ON THE CENTRAL NERVOUS SYSTEM OF RABBITS AND GUINEA PIGS 1492
OF THE EFFECT OF RADIOWAVES ON THE NERVOUS SYSTEM OF RATS SENSITIVE TO SONIC STIMULI 1351
FFECTS OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM OF THE PRIMATE 3408
GH FREQUENCY (RADAR) ON THE CENTRAL NERVOUS SYSTEM OF THE WHITE RAT. ELECTROCORTICOGRAPHICAL MODIFICAT 2628
DO MICROWAVES ALTER NERVOUS SYSTEM STRUCTURE? 1062
TY OF PORTIONS OF THE HUMAN CENTRAL NERVOUS SYSTEM TO 'SAFE' LEVELS OF MICROWAVE RADIATION 1929
NALYSIS OF RESPONSES OF THE CENTRAL NERVOUS SYSTEM TO ELECTROMAGNETIC FIELDS 2480
RESPONSE OF THE NERVOUS SYSTEM TO MICROWAVE RADIATION 2484
SAFE ELECTRICAL STIMULATION OF THE NERVOUS SYSTEM WITH PLATINUM ELECTRODES 1907
RIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYSTEM 0211
AND MAGNETIC FIELDS ON THE CENTRAL NERVOUS SYSTEM 3070
INTERACTIONS BETWEEN NERVOUS TISSUES AND WEAK ENVIRONMENTAL ELECTRIC FIELDS 2172
NCE OF A CONSTANT MAGNETIC FIELD ON NERVOUS TISSUES. II. VOLTAGE-CLAMP STUDIES 0189
AY RADIATION, SAFETY AND EFFECTIVE- NESS 0427
ADDITIONAL MAGNETIC FIELD ON HORNET NEST ARCHITECTURE 2461
RELATION TO BIOLOGICAL SYSTEMS AND NEURAL ACTIVITY 3603
THE NEURAL AND HORMONAL RESPONSE TO MICROWAVE STIMULATION OF PERIPHERA 1540
ANNUAL REPT., 1959: THE NEURAL EFFECTS OF MICROWAVE IRRADIATION 0610
NEURAL EFFECTS OF MICROWAVE RADIATION 1465
CARDIAC AND NEURAL EFFECTS OF RADAR WAVELENGTHS 1199
NEURAL FUNCTION AND BEHAVIOR: DEFINING THE RELATIONSHIP 1095
WAVE BIOLOGICAL EFFECTS ON ISOLATED NEURAL PREPARATIONS 1213
ION AND ITS ROOTLETS FOR TRIGEMINAL NEURALGIA 1874
DEPOLARIZATION OF THE NEURALLY BLOCKED GASTRIC MUCOSA OF THE RAT 0623
TS OF MILLIMETER RADIO WAVES ON THE NEURO-HUMORAL SYSTEM IN RATS 0292
INTERACTION BETWEEN MICROWAVE AND NEUROACTIVE COMPOUNDS 2663
IC FIELD (12 GAUSS) ON TRANSPLANTED NEUROBLASTOMA 1797
NEUROCHEMICAL ALTERATIONS IN SPECIFIC BRAIN AREAS IN RODENTS EXPOS 1290
MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHEMICAL CORRELATES 2800
CROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL STUDIES 1123
N SOME TISSUES OF RATS TREATED WITH NEUROCHORMONES AND IRRADIATED IN MICROWAVE FIELD UNTIL THERMAL DEA 0354
INFLUENCE OF MICROWAVE RADIATION ON NEUROELECTRIC POTENTIALS 2559
NEUROENDOCRINE AND CARDIODYNAMIC RESPONSE OF THE DOG SUBJECTED TO 2445
BIOCHEMICAL AND NEUROENDOCRINE ASPECTS OF EXPOSURE TO MICROWAVES 1057

	NEUROENDOCRINE RESPONSES IN THE RAT AND DOG EXPOSED TO 2450 MHZ (C	2676
ADVANCES IN MICROWAVE-INDUCED	NEUROENDORCRINE EFFECTS: THE CONCEPT OF STRESS	0396
BARRIER MECHANISMS OF THE	NEUROGLIA IN THE PROCESS OF INHIBITION UNDER THE EFFECT OF WEAK ST	1990
RY FUNCTION OF THE HYPOTHALAMUS AND	NEUROHYPOPHYSIS AS A RESULT OF CHRONIC IRRADIATION WITH LOW INTENS	1352
	NEUROLOGIC FINDINGS IN PERSONS EXPOSED TO MICROWAVES	0886
HE VENTRAL MESENCEPHALIC TEGMENTUM:	NEUROLOGICAL AND BEHAVIORAL CONSIDERATIONS	0835
CE WITH MAGNETIC THERAPY OF PAINFUL	NEUROMAS OF EXTREMITY STUMPS (IN RUSSIAN)	2845
STUDY OF BIOELECTRIC ACTIVITY OF	NEUROMUSCULAR AND SYM- PATHETIC SYSTEMS DURING EXPOSURE TO A STEAD	0426
EMICAL DATA TO THE CONDITION OF THE	NEUROMUSCULAR APPARATUS OF PARKINSONISM PATIENTS SUBJECTED TO DECI	1491
AR STIMULATION FOR THE TREATMENT OF	NEUROMUSCULAR DISORDERS	3414
SINGLE	NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM	3394
	NEURONAL EFFECTS OF LOW LEVEL MICROWAVES	1857
	NEURONAL MEMBRANE: A PHYSICAL SYNTHESIS	2611
OW-INTENSITY MICROWAVES ON ISOLATED	NEURONS	1058
SYNCHRONIZATION OF CORTICAL	NEURONS BY A PULSED MICROWAVE FIELD AS EVIDENCED BY SPECTRAL ANALY	1061
Y OF THE FEASIBILITY OF STIMULATING	NEURONS BY ELECTROMAGNETIC WAVES	2554
HETEROGENEITY OF THE REACTIONS OF	NEURONS FROM DIFFERENT PARTS OF THE BRAIN TO REPEATED SHF IRRADIAT	0350
NG: THE RESPONSE OF SINGLE AUDITORY	NEURONS IN THE CAT TO PULSED MICROWAVE RADIATION	2758
S ON THE RESTING POTENTIAL OF GIANT	NEURONS OF THE MOLLUSK HELIX POMATIA (IN RUSSIAN)	2581
DYNAMICS OF THE IMPULSE ACTIVITY OF	NEURONS OF THE POSTERIOR SECTION OF THE HYPOTHALAMUS UNDER THE INF	0230
BACKGROUND AND EVOKED ACTIVITY OF	NEURONS ON THE VISUAL CORTEX OF RABBITS AFTER THE ACTION OF A SUPE	1185
CHANGES IN THE TIGROID SUBSTANCE OF	NEURONS UNDER THE EFFECT OF RADIO WAVES	1995
LGESIA IN MONKEYS: A BEHAVIORAL AND	NEUROPHYSIOLOGICAL ASSESSMENT	2362
	NEUROPHYSIOLOGICAL EFFECT OF 3-CM MICROWAVE RADIATION	1118
PRINCIPLES OF	NEUROPHYSIOLOGICAL INVESTIGATIONS OF MICROWAVE BIOEFFECTS AND CHAN	1461
60 HZ AND 75 HZ ELECTRIC FIELDS ON	NEUROPHYSIOLOGY AND BEHAVIOR OF MONKEYS, PHASE I: CONTINUOUS WAVE	1373
DIAGNOSIS AND TREATMENT OF	NEUROPSYCHIC DISTURBANCES	2264
VARIATIONS OF THE	NEUROSECRETORY FUNCTION OF THE HYPOTHALAMUS AND NEUROHYPOPHYSIS AS	1352
TS OF EM FIELDS IN THE TREATMENT OF	NEUROSES AND DEPRESSION	1232
ISE FOR THE THERAPY OF INSOMNIA AND	NEUROSIS (IN CZECHOSLOVAKIAN)	1413
MS IN CASES OF SO-CALLED 'MICROWAVE	NEUROSIS ' (IN POLISH)	1846
ESTIMATION OF THE OCCURRENCE OF	NEUROTIC DISORDERS IN SEA ECONOMY WORKERS EXPOSED TO THE ACTION OF	1164
	NEUROTRANSMITTER CONTENT OF MOUSE BRAIN AFTER INACTIVATION BY MICR	0902
THE EFFECT OF 1.6 GHZ RADIATION ON	NEUROTRANSMITTERS IN DISCRETE AREAS OF THE RAT BRAIN	2169
ISE IN SOUTHERN CALIF. AND SOUTHERN	NEV	0987
EN 54 AND 220 MHZ IN THE LAS VEGAS,	NEVADA , AREA	2802
OF GONADS AND ADRENAL GLANDS IN THE	NEWBORN RAT	3415
ON THE COURSE OF AN INFECTION WITH	NEWCASTLE DISEASE VIRUS IN CHICK EMBRYO TRACHEAL ORGAN CULTURES (I	0817
	NEWS : THE REST OF THE E/M SPECTRUM	3247
F COPPER, MANGANESE, MOLYDENUM, AND	NICKEL IN THE ORGANISM OF EXPERIMENTAL ANIMALS	1505
COPPER, MOLYBDENUM, MANGANESE, AND	NICKEL IN THE ORGANS OF A BODY EXPOSED TO INDUSTRIAL AND SUPERHIGH	2806
GENETICAL PROCESSES OF ASPERGILLIUS	NIDULANS	1140
SURVEY ARTICLE ON	NIEMR RESONANCE PHENOMENA	0384
NG OF THE ELECTRIC FIELD DURING THE	NIGHT ON PEOPLE SUFFERING FROM RHEUMATISM (IN GERMAN)	1181
THE EFFECTS OF EPHEDRINE AND	NIKETHAMIDE ON MICROWAVE- EXPOSED MICE	1490
HE BIOELECTRIC RESPONSE OF THE ALGA	NITELLA CLAVATA	1583
DIELECTRIC MEASUREMENTS OF	NITELLOPSIS OBTUSA CELLS WITH INTRACELLULAR ELECTRODES	0870
FIELD ON SOME ASPECTS OF ENERGY AND	NITROGEN METABOLISM IN THE RAT CEREBRAL HEMISPHERES	0429
CHANGES IN METABOLISM OF	NITROGENOUS SUBSTANCES IN ANIMAL NERVE TISSUE SUBJECTED TO AN EM F	0618
CHANGES IN METABOLISM OF	NITROGENOUS SUBSTANCES IN ANIMAL NERVE TISSUE SUBJECTED TO AN EM F	2044
THE CONCEPT OF CANCER TREATMENT BY	NMR	0852
E TO RF AND MAGNETIC FIELDS USED IN	NMR IMAGING	0135
DISTURBANCE AND THE ORIENTATION OF	NOCTURNALLY MIGRATING BIRDS	1979
N-AUDITORY EFFECTS OF ENVIRONMENTAL	NOISE	2970
CITY	NOISE AND ITS EFFECT UPON AIRBORNE ANTENNA NOISE TEMPERATURE AT UH	3177
E OF MAGNETIC FIELDS AND ELECTRONIC	NOISE FOR THE THERAPY OF INSOMNIA AND NEUROSIS (IN CZECHOSLOVAKIAN	1413
RADIO	NOISE FROM TOWNS: MEASURED FROM AN AIRPLANE	3125
ENCE OF INCIDENTIAL MAN-MADE HF/VHF	NOISE IN METROPOLITAN AREAS	3179
TUDE STATISTICS FOR ELECTROMAGNETIC	NOISE IN MINES	3562
MAN-MADE EM	NOISE IN SOUTHERN CALIF. AND SOUTHERN NEV	0987
ENT AND ANALYSIS OF RADIO FREQUENCY	NOISE IN URBAN, SUBURBAN, AND RURAL AREAS	3611
IAL CORRELATION BETWEEN ATMOSPHERIC	NOISE LEVELS AT DIFFERENT FREQUENCIES	3176
RADIO	NOISE METER RESPONSE TO RANDOM PULSES BY COMPUTER SIMULATION	3116
SIS OF AIRBORNE VHF/UHF INCIDENTIAL	NOISE OVER METROPOLITAN AREAS	3180
ECT STATISTICAL ANALYSIS OF AUDIBLE	NOISE PERFORMANCE OF CONDUCTORS AT 775 KV	3115

ORMATION ON LEVELS OF ENVIRONMENTAL	NOISE REQUISITE TO PROTECT PUBLIC HEALTH AND WELFARE WITH AN ADEQU	3079
POWER LINE	NOISE SURVEY	3019
ND ITS EFFECT UPON AIRBORNE ANTENNA	NOISE TEMPERATURE AT UHF	3177
MAN-MADE	NOISE , REPORT TO TECHNICAL COMMITTEE OF THE ADVISORY COMMITTEE FOR	2956
	NOMOGRAPM FOR DETERMINING THE RADII OF RADAR STATION DANGER ZONES	3578
A	NON CONTACT TEMPERATURE MONITOR FOR THE AUTOMATIC CONTROL OF MICRO	0038
	NON IONISING EM FIELDS: ENVIRONMENTAL FACTORS IN RELATION TO MILIT	0837
IVE GRAMMAR FOR THE RADIOBIOLOGY OF	NON- IONISING RADIATIONS: QUANTITIES, DEFINITIONS, AND UNITS OF AB	1905
	NON-AUDITORY EFFECTS OF ENVIRONMENTAL NOISE	2970
NTERFERENCE HAZARDS WITH AUSTRALIAN	NON-COMPETITIVE ('DEMAND') PACEMAKERS	3580
	NON-CONTACT DETERMINATION OF TEMPERATURE CHANGES IN MICE DURING MI	1695
MAXIMUM SURFACE REDOX (THEORETICAL	NON-GASSING) LIMITS	0973
ECIAL MICROWAVE INTERFEROMETERS FOR	NON-INVASIVE STUDIES OF BIOLOGICAL EFFECTS	2409
	NON-INVASIVE TREATMENT OF EXTRACTION WOUNDS IN DOGS BY ELECTROMAGN	0209
A	NON-INVASIVE , PARTIAL-BODY EXPOSURE METHOD FOR MEASURING THE COMPL	0088
EFFECTS OF	NON-IONIZING AND IONIZING RADIATIONS ON THE TRANSFORMING ABILITY O	2467
EFFECTS OF	NON-IONIZING ELECTROMAGNETIC RADIATION ON BIOLOGICAL MATERIALS: RE	3024
	NON-IONIZING ELECTROMAGNETIC RADIATION STANDARDIZATION	2689
BIOEFFECTS OF	NON-IONIZING ELECTRONIC PRODUCT RADIATION	3183
EFFECTS AND EXPOSURE STANDARDS FOR	NON-IONIZING EM ENERGIES	1658
EFFECTS OF	NON-IONIZING EMR ON BIOLOGICAL MATERIALS	1222
ON OF THE HUMAN BODY WHEN ABSORBING	NON-IONIZING MICROWAVE IRRADIATION--WITH EMPHASIS ON THE EFFECT OF	2191
CATARACT AFTER EXPOSURE TO	NON-IONIZING RADIANT ENERGY	2042
ARE YOUR WORKERS EXPOSED TO	NON-IONIZING RADIANT ENERGY?	0828
BIOLOGICAL EFFECTS OF	NON-IONIZING RADIATION	1216
IN MEASURING MUTAGENICITY CAUSED BY	NON-IONIZING RADIATION	2177
CONTROL OF OCCUPATIONAL EXPOSURE TO	NON-IONIZING RADIATION	2220
A STUDY GROUP ON PROTECTION AGAINST	NON-IONIZING RADIATION	2477
THE U.S. NAVY'S PROGRAM IN	NON-IONIZING RADIATION	2519
CONTROL OF	NON-IONIZING RADIATION EMITTING DEVICES IN CANADA	2058
THE USE OF	NON-IONIZING RADIATION FOR THERAPEUTIC HEATING	2221
EFFECTS OF	NON-IONIZING RADIATION GIVEN PRIORITY STATUS BY CONGRESS	2468
MUTAGENICITY INDUCED BY	NON-IONIZING RADIATION IN SWISS MALE MICE	2178
INTERNATIONAL COOPERATION ON	NON-IONIZING RADIATION PROTECTION	2228
LOPMENT OF A LONG-TERM PROGRAMME ON	NON-IONIZING RADIATION PROTECTION	3121
A PROGRAMME ON	NON-IONIZING RADIATION PROTECTION OF THE WORLD HEALTH ORGANIZATION	0594
	NON-IONIZING RADIATION PROTECTION TRAINING MANUAL FOR RADIATION CO	2394
HEALTH EFFECTS OF IONIZING AND	NON-IONIZING RADIATION- REPORT ON A WORKING GROUP	3560
BIOLOGICAL EFFECTS OF	NON-IONIZING RADIATION	2908
	NON-IONIZING RADIATION: THE PHYSICAL RELATIONSHIP BETWEEN TYPICAL	0504
RATORIES AND TOURS ON THE COURSE ON	NON-IONIZING RADIATIONS	2394
MUTAGENIC ACTION OF	NON-IONIZING RADIATIONS: ITS IMPLICATION IN RADIATION PROTECTION	2057
	NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATION	2889
A	NON-OPERATIVE SALVAGE OF SURGICALLY-RESISTANT PSEUDARTHROSES AND N	2373
	NON-PERTURBING MICROPROBES FOR MEASUREMENT IN EM FIELDS	1142
RADIOSENSITIVITY BY THE RESPONSE TO	NON-RADIATION EFFECTS	0007
PROBLEMS OF POWER MEASUREMENT USING	NON-SQUARE-LAW DETECTORS, (FDA) 72-8004, BRH/DEP N72-2	3042
THE THERMAL,	NON-THERMAL AND THERAPEUTIC EFFECTS OF 2450 MHZ RADIATION ON MAMMA	2342
DUCTIVITY--A POSSIBLE MECHANISM FOR	NON-THERMAL BIOLOGICAL EFFECTS OF MICROWAVES	0665
TOGENIC EFFECTS ON RAT OFFSPRING OF	NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION	2340
TOGENIC EFFECTS ON RAT OFFSPRING OF	NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION	2881
	NON-THERMAL EFFECT OF MICROWAVE RADIATION IN VITRO ON PERITONEAL M	2033
DEPRESSION OF PHAGOCYTOSIS: A	NON-THERMAL EFFECT OF MICROWAVES RADIATION AS A POTENTIAL HAZARD T	2019
	NON-THERMAL EFFECTS OF MICROWAVE RADIATION ON BIRDS	0761
	NON-THERMAL EFFECTS OF RADIO FREQUENCY IN BIOLOGICAL SYSTEMS	0492
	NON-THERMAL EFFECTS OF RF ENERGY	3223
WAVES: A PRELIMINARY THERMAL VERSUS	NON-THERMAL EXPERIMENT	0694
	NON-THERMAL HAZARDS OF EXPOSURE TO RADIO FREQUENCY FIELDS. MICROWA	0967
F PROTRACTED PRENATAL EXPOSURE TO A	NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN THE PREGNANT	2865
THE EFFECTS OF	NON-THERMAL RADIO FREQUENCY RADIATION ON HUMAN LYMPHOCYTES IN VITR	0692
AL MEETING, PROGRAM AND ABSTRACTS:	NON-THERMAL RADIOWAVES AND GENETIC DAMAGE IN DROSOPHILA MELANOGAST	3621
NAE FOR ORIENTATION OF INSECTS IN A	NON-UNIFORM MICROWAVE EM FIELD	1847
ICALLY-RESISTANT PSEUDARTHROSES AND	NON-UNIONS BY PULSING EM FIELDS--A PRELIMINARY REPORT	2373
HE LYMPHOID TISSUE TO ANTIGENIC AND	NONANTIGENIC (ALTERNATING MAGNETIC FIELD) STIMULATION	2039
ND RADAR (2810 AND 3050 MHZ) EMR ON	NONCOMPETITIVE CARDIAC PACEMAKERS	0450

	NONDESTRUCTIVE TESTING OF PLASTICS WITH MICROWAVES	3289
H AN ELECTROMAGNETIC METHOD FOR THE	NONINVASIVE ANALYSIS OF CELL SUSPENSION PHYSIOLOGY AND INDUCED PAT	0054
STEADY MAGNETIC FIELDS IN	NONINVASIVE ELECTROMAGNETIC FLOWMETRY	0389
E REPAIR BY EM FIELDS. A SURGICALLY	NONINVASIVE METHOD	1050
A	NONINVASIVE MICROWAVE APNEA DETECTOR	0381
	NONINVASIVE MICROWAVE MEASUREMENT OF RESPIRATION	1329
GICAL OBSERVATIONS ON THE EFFECT OF	NONIONIZING (MICROWAVE) RADIATION	2331
	NONIONIZING ELECTROMAGNETIC RADIATION	2795
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING ELECTROMAGNETIC RADIATION	3089
ITY OF THE ENVIRONMENT (CHAPTER 13,	NONIONIZING ELECTROMAGNETIC RADIATION	3136
TRENDS IN	NONIONIZING ELECTROMAGNETIC RADIATION BIOEFFECTS RESEARCH AND RELA	3392
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING ELECTROMAGNETIC RADIATION'	3023
PHYSIOLOGICAL EFFECTS ON HUMANS OF	NONIONIZING ELECTROMAGNETIC RADIATION	2907
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING ELECTROMAGNETIC RADIATION	2972
BIOLOGICAL EFFECTS OF	NONIONIZING ELECTROMAGNETIC RADIATION: A DIGEST OF CURRENT LITERAT	0081
BIOLOGICAL EFFECTS OF	NONIONIZING ELECTROMAGNETIC RADIATION: A DIGEST OF CURRENT LITERAT	0163
US SYSTEM AND BEHAVORIAL EFFECTS OF	NONIONIZING ELECTROMAGNETIC RADIATIONS	3584
	NONIONIZING ELECTROMAGNETIC WAVE EFFECTS IN BIOLOGICAL MATERIALS A	3215
RATS OF ILLUMINATION WITH LOW POWER	NONIONIZING EM ENERGY	0914
US SYSTEM AND BEHAVIORAL EFFECTS OF	NONIONIZING EM RADIATIONS	1391
RCH INTO THE BIOLOGICAL RESPONSE TO	NONIONIZING EMR	0092
SOURCES AND BIOLOGICAL EFFECTS OF	NONIONIZING EMR	2147
EFFECTS OF	NONIONIZING EMR ON SINGLE-CELL BIOLOGIC SYSTEMS	1086
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING EMR'	0767
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING EMR'	0768
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING EMR'	0769
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING EMR'	0770
ASSESSMENT OF BIOLOGICAL HAZARDS OF	NONIONIZING EMR	0212
OF RABBITS EXPOSED TO LOW INTENSITY	NONIONIZING EMR. I. DEVELOPMENT OF METHODOLOGY	2174
BIOLOGICAL EFFECTS OF	NONIONIZING EMR: A DIGEST OF CURRENT LIT	1420
BIOLOGICAL EFFECTS OF	NONIONIZING EMR: A DIGEST OF CURRENT LITERATURE	0244
PERMISSIBLE	NONIONIZING EXPOSURE TO RF ENERGY & DEPARTMENT OF LABOR RULES AND	3516
STUDY OF	NONIONIZING MICROWAVE RADIATION EFFECTS UPON THE CENTRAL NERVOUS S	0277
HUMAN EXPOSURE TO	NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AND SAFETY STANDARDS	0534
HUMAN EXPOSURE TO	NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AND SAFETY STANDARDS	3217
LABORATION ON THE HEALTH EFFECTS OF	NONIONIZING RADIATION	0285
ON SAFETY HANDBOOK FOR IONIZING AND	NONIONIZING RADIATION	0511
CLINICAL ASPECTS OF	NONIONIZING RADIATION	0746
FOR PROTECTION OF PERSONNEL AGAINST	NONIONIZING RADIATION	0795
TED GROWTH INDUCED BY THE ACTION OF	NONIONIZING RADIATION	1048
	NONIONIZING RADIATION	1382
OVERVIEWS ON	NONIONIZING RADIATION	2021
HEALTH EFFECTS OF IONIZING AND	NONIONIZING RADIATION	3090
BIOMEDICAL ASPECTS OF	NONIONIZING RADIATION	3096
CHAPTER 7,	NONIONIZING RADIATION	3154
	NONIONIZING RADIATION EXPOSURE IN URBAN AREAS OF THE UNITED STATES	2056
ENVIRONMENTAL	NONIONIZING RADIATION EXPOSURE: A PRELIMINARY ANALYSIS OF THE PROB	3110
OTECT THE PUBLIC FROM ENVIRONMENTAL	NONIONIZING RADIATION EXPOSURES	0362
	NONIONIZING RADIATION HAZARDS	1423
	NONIONIZING RADIATION IN THE ENVIRONMENT	2941
	NONIONIZING RADIATION LEVELS IN THE WASHINGTON, D. C., AREA	0567
	NONIONIZING RADIATION MEASUREMENT CAPABILITIES: STATE AND FEDERAL	0755
EFFECTS OF	NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS	0257
USE OF MATHEMATICAL MODELS IN	NONIONIZING RADIATION RESEARCH	3598
SOME ASPECTS OF	NONIONIZING RADIATION REVISITED	2379
IVE GRAMMAR FOR THE RADIOBIOLOGY OF	NONIONIZING RADIATION'	1906
BIOLOGICAL EFFECTS OF	NONIONIZING RADIATION	3216
BIOLOGICAL EFFECTS OF	NONIONIZING RADIATION: AN OUTLINE OF FUNDAMENTAL LAWS	1051
BIOMEDICAL ASPECTS OF	NONIONIZING RADIATION: AN OVERVIEW OF THE NWL EFFORT	0827
	NONIONIZING RADIATION: BIOLOGICAL EFFECTS- HEALTH ASPECTS OF SAFET	0177
	NONIONIZING RADIATIONJURY OF HUMANS	3437
	NONIONIZING RADIATIONS	0270
	NONLINEAR EFFECT ON THE ABSORPTION OF MICROWAVES BY A PLASMA	0949
UTILIZING	NONLINEAR PROPERTIES OF SEMICONDUCTORS WHICH SHOW UP IN STRONG ELE	2343
MICROWAVE-INDUCED HAZARDOUS	NONLINEAR THERMOELASTIC VIBRATIONS OF THE OCULAR LENS IN THE HUMAN	0114

F STANDARDS FOR THE USE OF SELECTED	NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPO	0756
NTORY STUDY, BRH/DEP 70-29 SELECTED	NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPO	3036
E THE NECESSITY FOR USE OF SELECTED	NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPO	3037
	NONMETALLIC ELECTRODE SYSTEM FOR RECORDING EEG AND ECG IN ELECTROM	1163
A	NONPERTURBING TEMPERATURE SENSOR FOR MEASUREMENTS IN EM FIELDS	1819
MICROWAVE RADIATION AT RESONANT AND	NONRESONANT WAVELENGTHS	2761
RESPONSE OF	NONSPHERICAL BIOLOGICAL PARTICLES TO ALTERNATING ELECTRIC FIELDS	0553
	NONTHERMAL ACTION OF MICROWAVES ON CADIAC RHYTHM	3469
HER EXPERIMENTS SEEKING EVIDENCE OF	NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION	0578
HER EXPERIMENTS SEEKING EVIDENCE OF	NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION	2387
ON THE POSSIBILITY OF	NONTHERMAL BIOLOGICAL EFFECTS OF PULSED EMR	1734
THERMAL AND	NONTHERMAL CATARACTOGENESIS BY MICROWAVES	1526
A NEW SYSTEM FOR INVESTIGATING	NONTHERMAL EFFECT OF MICROWAVES ON CELLS	2209
APPLICATION OF	NONTHERMAL EFFECTS IN HIGH DIELECTRIC MATERIALS TO MICROWAVE DOSIM	1747
	NONTHERMAL EFFECTS OF MICROWAVE RADIATION	2905
	NONTHERMAL EFFECTS OF MICROWAVE RADIATION: EXPERIMENTS WITH ENZYM	2293
	NONTHERMAL EFFECTS OF MICROWAVE RADIATION: EXPERIMENTS WITH LABOR	2292
EVIDENCE FOR	NONTHERMAL EFFECTS OF MICROWAVE RADIATION: ABNORMAL DEVELOPMENT OF	0456
FOR STUDY OF THE MECHANISMS OF THE	NONTHERMAL EFFECTS OF MILLIMETER- AND SUBMILLIMETER-BAND EMR ON BI	2307
MODEL FOR SOME	NONTHERMAL EFFECTS OF RADIO AND MICROWAVE FIELDS ON BIOLOGICAL MEM	2691
FAILURE OF CHRONIC EXPOSURE TO	NONTHERMAL FM RADIO WAVES TO MUTATE DROSOPHILA	2587
	NONTHERMAL GENETIC EFFECTS OF RF	3226
ME METABOLIC INDICES IN RESPONSE TO	NONTHERMAL INTENSITY RADIOWAVES	2805
DENTAL POSTSURGICAL SYMPTOMS USING	NONTHERMAL PULSED HIGH-PEAK-POWER EM ENERGY	1810
	NONUNIFORM BIOPHYSICAL HEATING WITH MICROWAVES	1528
S: THE BEHAVIOR OF LONE CELLS IN A	NONUNIFORM ELECTRIC FIELD	2232
UCED IN FINITE BIOLOGICAL BODIES BY	NONUNIFORM ELECTROMAGNETIC FEILDS	0137
HEALING OF	NONUNION OF THE MEDIAL MALLEOLUS BY MEANS OF DIRECT CURRENT: A CAS	1813
TREATMENT OF	NONUNION WITH CONSTANT DIRECT CURRENT	2783
THOD ON THE HEALING OF EXPERIMENTAL	NONUNIONS IN DOGS	0131
GE CAUSE ENVIRONMENTAL HAZARDS? (IN	NOR)	0318
ASSAY OF	NOREPINEPHRINE AND DOPAMINE IN THE RAT BRAIN AFTER MICROWAVE IRRAD	3416
N THE TURNOVER RATE OF SERTONIN AND	NOREPINEPHRINE AND THE EFFECT ON MONOAMINE METABOLIZING ENZYMES	0570
AREAS: EFFECTS OF AMPHETAMINE AND	NOREPINEPHRINE ASSESSED THROUGH THE USE OF MICROWAVE RADIATION AS	2517
E ORGANISM UNDER THE EFFECT OF SOME	NOXIOUS INDUSTRIAL FACTORS. (IN RUS.)	0162
	NUCLEAR AND ELECTRON PARAMAGNETIC RESONANCE AND ITS APPLICATION TO	0832
VERTICAL ANTENNAS TO HIGH ALTITUDE	NUCLEAR ELECTROMAGNETIC PULSE (EMP)	3098
TUMOR DETECTION BY	NUCLEAR MAGNETIC RESONANCE	1967
OTEIN SYNTHESIS AND MEASUREMENTS ON	NUCLEAR VOLUME IN WISH CELL CULTURES IRRADIATIED WITH 3 GHZ EMR	1328
OF ELECTRICAL STIMULATION OF VAGAI	NUCLEI IN ANESTHETIZED AND UNANESTHETIZED CATS	3405
IC FIELD ON ENZYMATIC HYDROLYSIS OF	NUCLEIC ACIDS	1558
LEVELS OF CYCLIC	NUCLEOTIDES IN MOUSE REGIONAL BRAIN FOLLOWING 300MS MICROWAVE INAC	2526
IMIZE POST MORTEM CHANGES OF CYCLIC	NUCLEOTIDES , DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY	1326
EREOTACTIC TECHNIQUES RE TRIGEMINAL	NUCLEOTOMY AND EXTRALEMNISCAL MYELOTOMY	3426
ELECTRIC STIMULATION OF THE CAUDATE	NUCLEUS ON THE CORTICAL ELECTRIC ACTIVITY AND THE WAKEFULNESS-SLEE	1406
ON HUMAN COLON CANCER XENOGRAFTS IN	NUDE MICE	0337
	NUMERICAL ANALYSIS OF EM FIELDS IN BIOLOGICAL TISSUES	0781
ELDS IN A DISSIPATIVE HALF-SPACE: A	NUMERICAL APPROACH	3285
	NUMERICAL CALCULATION OF ELECTROMAGNETIC ENERGY AND TEMPERATURE DI	0295
	NUMERICAL STUDIES OF ABSORPTION OF ELECTROMAGNETIC ENERGY BY MAN	0153
	NUMERICAL STUDY OF EM POWER DEPOSITION IN BIOLOGICAL TISSUE BODIES	2192
THE	NUMERICAL THERMAL SIMULATION OF THE HUMAN BODY WHEN ABSORBING NON-	2191
F THE EFFECT OF A MAGNETIC FIELD ON	NUTRIENT MEDIUM COMPOSITION AND TOXIN PRODUCTION BY C1 PERFRINGENS	2482
	NUTRITION AND IN VIVO ROTATIONAL MOTION: A MICROWAVE STUDY	3265
OF THE RADIATION EMISSIONS FROM THE	NUVE-LITE DENTAL APPLIANCE	3624
R A TWO-LAYER MODEL OF A BIOLOGICAL	OBJECT	0626
LECTRIC MEASUREMENTS OF NITELLOPSIS	OBTUSA CELLS WITH INTRACELLULAR ELECTRODES	0870
SELECTIVE	OCCLUSION OF TUMOR TISSUE CAPILLARIES BY HYPERTHERMIA SHOCK DURING	0096
THE	OCCULAR EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF M	1068
A NEW	OCCUPATIONAL DISEASE?--OF DIPLOMATS	1651
PATHOGENESIS AND AGGRAVATION OF	OCCUPATIONAL DISEASES CAUSED BY RAYS OF DIFFERENT WAVELENGTHS (IN	1626
	OCCUPATIONAL EXPOSURE AND PUBLIC HEALTH ASPECTS OF MICROWAVE RADIA	0898
RISKS AND DAMAGES DERIVED FROM	OCCUPATIONAL EXPOSURE TO EM FIELDS	0615
RISKS AND DAMAGES RESULTING FROM	OCCUPATIONAL EXPOSURE TO HIGH FREQUENCY EM FIELDS (IN ITALIAN)	2395
ANALYSIS OF	OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION	0876

CAUSES OF DEATH FOLLOWING	OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION (RADAR) 1950-1974	2681
CONTROL OF	OCCUPATIONAL EXPOSURE TO NON-IONIZING RADIATION	2220
	OCCUPATIONAL EXPOSURE TO RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	0405
ARDIOVASCULAR SYSTEM AS AFFECTED BY	OCCUPATIONAL FACTORS	0062
TO MICROWAVE IRRADIATION IN VARIOUS	OCCUPATIONAL GROUPS	0885
	OCCUPATIONAL HEALTH AND RADIATION HAZARDS	0176
ION BIOEFFECTS RESEARCH AND RELATED	OCCUPATIONAL HEALTH ASPECTS	3392
BIOLOGICAL EFFECT OF MICROWAVES IN	OCCUPATIONAL HYGIENE	2250
CHARACTERISTICS OF THE	OCCUPATIONAL PATTERN OF PATIENTS WITH LEUKEMIA AND LYMPHOGRANULOMA	0025
	OCCUPATIONAL SAFETY AND HEALTH STANDARDS; NATIONAL CONCENSUS STAND	2966
DUODENAL ULCER IN PERSONS	OCCUPATIONALLY EXPOSED TO MICROWAVE RADIATION	1854
HEALTH SURVEILLANCE OF PERSONNEL	OCCUPATIONALLY EXPOSED TO MICROWAVES, PART I: THEORETICAL CONSIDER	0796
HEALTH SURVEILLANCE OF PERSONNEL	OCCUPATIONALLY EXPOSED TO MICROWAVES, PART II: FUNCTIONAL DISTURBA	0797
HEALTH SURVEILLANCE OF PERSONNEL	OCCUPATIONALLY EXPOSED TO MICROWAVES, PART III: LENS TRANSLUCENCY	0798
REVIEW OF STUDIES OF PEOPLE	OCCUPATIONALLY EXPOSED TO RADIO FREQUENCY RADIATION	1532
	OCEANIC ELECTRIC FIELDS: PERCEPTION BY AMERICAN EELS?	1851
EXPERIMENTAL MICROWAVE	OCULAR EFFECTS	1258
S OF CLINICAL SURVEYS FOR MICROWAVE	OCULAR EFFECTS (DHEW-FDA 73-8031)	2967
GATION OF SINGLE-EXPOSURE MICROWAVE	OCULAR EFFECTS AT 3000 MHZ	1065
	OCULAR EFFECTS OF 35 AND 107 GHZ CW MICROWAVES	2440
	OCULAR EFFECTS OF MICROWAVE RADIATION	2570
	OCULAR EFFECTS OF MICROWAVE RADIATION	2571
CROWAVE IRRADIATION, BEHAVIORAL AND	OCULAR EFFECTS ON RHESUS MONKEYS	2347
	OCULAR HEATING DURING DENTAL DIATHERMY TREATMENT	2465
THE	OCULAR LENS AND CATARACT	1170
EAR THERMOELASTIC VIBRATIONS OF THE	OCULAR LENS IN THE HUMAN EYE	0114
	OCULAR MEDICAL SURVEILLANCE ON MICROWAVE AND LASER WORKERS	2112
ABSENCE OF	OCULAR PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS	0174
OGICAL EFFECTS OF MICROWAVES ON THE	OCULAR TUSSUES OF ANIMALS	1362
A WEAK MAGNETIC FIELD ON TARAXACUM	OFFICINALE	0941
TERATOGENIC EFFECTS ON RAT	OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION	2340
TERATOGENIC EFFECTS ON RAT	OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION	2881
CATIONS OF LOCAL EM HYPERTHERMIA IN	ONCOLOGY	2803
PROGRESS IN CLOSTRIDIAL	ONCOLYSIS AND DIAGNOSIS	2817
MICROWAVE HYPERTHERMIA AND	ONCOLYSIS BY CLOSTRIDIUM (IN GERMAN)	2634
RADIOFREQUENCY IN ORDER TO ENHANCE	ONCOLYSIS BY COLOSTRIDIUM BUTYRICUM (STRAIN M 55) (IN GERMAN)	1806
FURTHER PROGRESS WITH	ONCOLYSIS DUE TO LOCAL HIGH FREQUENCY HYPERTHERMIA, LOCAL X-IRRADI	0236
ROWAVE HYPERTHERMIA AND CLOSTRIDIAL	ONCOLYSIS ON EXPERIMENTAL MOUSE TUMORS	0323
RESHOLDS FOR THE PRODUCTION OF LENS	OPACITIES BY 12.3 CM. MICROWAVES	0664
	OPACITIES IN THE LENS OF THE EYE EXPERIMENTALLY INDUCED BY EXPOSUR	0455
BILATERAL LENTICULAR	OPACITIES OCCURRING IN A TECHNICIAN OPERATING A MICROWAVE GENERATO	0600
EXPERIMENTAL LENTICULAR	OPACITIES PRODUCED BY MICROWAVE IRRADIATIONS	0548
MATURATION AND	OPEN-FIELD BEHAVIOR IN RATS EXPOSED PRENATALLY TO AN ELF LOW-INTEN	0787
RTURBATIONS OF THE BEHAVIOUR BY THE	OPEN-FIELD TEST INTO THE WHITE RAT	2159
	OPERANT BEHAVIOR AND COLONIC TEMPERATURE OF SQUIRREL MONKEYS (SAIM	2539
LEVEL CW MICROWAVE RADIATION ON AN	OPERANT BEHAVIOR IN RATS	1310
HYPERACTIVITY AND DISRUPTION OF	OPERANT BEHAVIOR IN RATS AFTER MULTIPLE EXPOSURES TO MICROWAVE RAD	2763
XTREMELY LOW FREQUENCY (ELF) EMR ON	OPERANT BEHAVIOR IN THE PIGEON AND THE RAT	1757
	OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LO	0764
	OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LO	0765
	OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LO	0766
	OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LO	3274
	OPERANT METHODS ASSESSING THE EFFECTS OF ELF EM FIELDS	1714
	OPERANTES TRINKVERHALTEN VON RATTEN IN HOCHSPANNUNGS- 50 HZ-WECHSE	2365
OPACITIES OCCURRING IN A TECHNICIAN	OPERATING A MICROWAVE GENERATOR	0600
R LEVELS FROM SELECTED TRANSMITTERS	OPERATING BETWEEN 54 AND 220 MHZ IN THE LAS VEGAS, NEVADA, AREA	2802
PROTECTION OF WORKERS	OPERATING HIGH-FREQUENCY INDUCTION HEATING EQUIPMENT (IN RUSSIAN)	1842
AZARDS FROM HIGH POWER TRANSMITTERS	OPERATING IN THE HF BAND (SUMMARY)	3059
TIMATES OF OZONE CONCENTRATING NEAR	OPERATING LINES	3113
OF THE INTERNAL ORGANS OF PERSONNEL	OPERATING MICROWAVE GENERATORS	2263
RADIOFREQUENCY IN THE	OPERATING-THEATRE	1798
HAZARDS ASSOCIATED WITH THE	OPERATION OF MICROWAVE OVENS	2040
EXTREMELY LOW FREQUENCY ANTENNA	OPERATION : TESTS FOR POSSIBLE IMPACT ON FIVE NATURALLY EXPOSED ANI	1765
AN	OPERATIONAL SAFETY PROGRAM FOR OPHTHALMIC HAZARDS OF MICROWAVE	0522
EQUENCY FIELDS ENCOUNTERED IN NAVAL	OPERATIONS	2573

MICROWAVE DIATHERMY (OPERATOR MANUEL) 3376
AN OPERATIONAL SAFETY PROGRAM FOR OPHTHALMIC HAZARDS OF MICROWAVE 0522
OPHTHALMIC HAZARDS OF MICROWAVE AND LASER ENVIRONMENTS 2572
DIATHERMY IN OPHTHALMOLOGY (IN FRENCH) 1204
MICROWAVE DIATHERMY IN OPTHALMOLOGY : CLINICAL EVALUATION 3370
OF A HIGH-VOLTAGE CONDENSER ON THE OPTIC PROPERTIES OF THE FROG CARDIAC MUSCLE (IN RUSSIAN) 1398
EM PROBE WITH FIBER OPTIC TELEMETRY SYSTEM 1930
EFFECTS OF MICROWAVES ON OPTICAL ACTIVITY 1534
OPTICAL FILM SENSORS FOR RF HOLOGRAPHY 3359
USE OF OPTICAL QUANTUM GENERATORS (LASERS) IN GYNECOLOGY (IN RUSSIAN) 1408
EXCITABLE NERVE MEMBRANE EXPOSED TO OPTICAL RADIATION 1839
A BIREFRINGENT CRYSTAL OPTICAL THERMOMETER FOR MEASUREMENTS OF ELECTROMAGNETICALLY INDUCE 2208
LIZED CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS 2366
ERAPY AS AN ADJUNCTIVE TREATMENT IN ORAL SURGERY 1807
ND COMPARATIVE CLINICAL ANALYSIS OF ORAL TISSUE RESPONSES TO A TYPE OF EM ENERGY 2339
IN DIATHERMY APPLIED TO THE EYE AND ORBIT A. THERMAL EFFECT OF DIATHERMY 3365
ICROWAVE POWER TRANSMISSION FROM AN ORBITING SOLAR POWER STATION 2933
D EM THERAPY ON CHILDREN UNDERGOING ORCHIDOPEXY 0856
NED WITH EM WAVES ON TRYPANOSOMATIC ORCHITIS OF THE RABBIT 0866
MAL MAGNETIC DISTURBANCES ON PIGEON ORENTATION 0169
T OF ULTRASHORT WAVES ON THE VISUAL ORGAN 1345
F MICROWAVE RADIATION ON THE VISUAL ORGAN 2265
ACTION OF CORTI'S ORGAN AND THE COCHLEA: A NEW THEORY 1073
IELDS ON GROWTH AND REGENERATION IN ORGAN CULTURE 0147
EASE VIRUS IN CHICK EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN) 0817
CAL CHANGES IN THE CELLS OF CORTI'S ORGAN FOLLOWING EXPOSURE TO MICROWAVES (IN POLISH) 0990
WHOLE ORGAN FREEZING AND THAWING-HEAT TRANSFER AND THERMAL PROPERTIES 3543
AIN ENZYMES IN THE CELLS OF CORTI'S ORGAN IN GUINEA PIGS FOLLOWING LONG-TERM EXPOSURE TO MICROWAVES (I 1901
INVESTIGATIONS AND RATING OF THE ORGAN OF VISION OF PERSONS EXPOSED TO THE EFFECT OF MICROWAVES (WI 2578
INVESTIGATIONS AND RATING OF THE ORGAN OF VISION OF PERSONS EXPOSED TO THE EFFECT OF MICROWAVES WIT 3474
LOW FREQUENCY EM FIELDS WITH BRAIN ORGANELLES 0799
CTURE IN LIQUIDS IX. MEASUREMENT IN ORGANIC HALIDES AT 10-CM WAVELENGTHS 3344
E REACTION IN AQUEOUS SOLUTIONS AND ORGANIC SOLVENTS 2481
ATMOSPHERIC INFLUENCE ON ORGANIC TISSUE: A THEORETICAL CONSIDERATION (IN GERMAN) 2622
AND IONIZING RADIATION ON THE HUMAN ORGANISM 0228
IMMUNOBIOLOGICAL PROPERTIES OF THE ORGANISM 0459
UENCY PULSED EM FIELD ON THE ANIMAL ORGANISM 1508
HZ ELELCTRIC FIELD INFLUENCE ON THE ORGANISM 1591
LDS AND ADVERSE MICROCLIMATE ON THE ORGANISM 1981
CTROMAGNETISM AND ITS EFFECT ON THE ORGANISM 2129
ADIATION AT HIGH INTENSITIES ON THE ORGANISM 2256
ROWAVE EMR AND OTHER FACTORS ON THE ORGANISM 2259
IDATION- REDUCTION PROCESSES IN THE ORGANISM 2348
RADIO WAVES AND THE LIVING ORGANISM 2566
ON OF MAGNETIC FIELDS ON THE ANIMAL ORGANISM (IN FRENCH) 2629
ECTRIC FIELD OF HIGH TENSION ON THE ORGANISM (IN GERMAN) 2600
S OF ELECTRIC CURRENTS ON THE HUMAN ORGANISM (IN ITALIAN) 2626
INJURY AND RECOVERY OF THE MOUSE ORGANISM AFTER MICRO- WAVE (2,400 MHZ) IRRADIATION. (IN RUS.) 0194
THE IMMUNOLOGICAL REACTIVITY OF THE ORGANISM AND IN THE PROPERTIES OF BACTERIA, VIRUSES, AND SIMPLE AN 2261
BINED EFFECT PRODUCED ON THE ANIMAL ORGANISM BY SUPERHIGH FREQUENCY EM WAVES AND A GAS MIXTURE WITH A 2029
FREQUENCY AC (50 HZ) FIELD AND THE ORGANISM OF A HUMAN AND AN ANIMAL. (IN ENG.) 0165
ANESE, MOLYDENUM, AND NICKEL IN THE ORGANISM OF EXPERIMENTAL ANIMALS 1505
ECT OF STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS 2812
UENCE OF MICROWAVE RADIATION ON THE ORGANISM OF MAN AND ANIMALS (TRANSLATION FROM RUSSIA) 3520
UENCE OF BIOMAGNETIC EFFECTS ON THE ORGANISM OF PUPILS IN LABORATORIES. (IN SLO) 0342
TS OF INJURY AND RESTORATION OF THE ORGANISM OF RATS UNDER MICROWAVE IRRADIATION (2400 MHZ) 0440
HE EFFECT OF EXPOSURE TO THE INTACT ORGANISM TO A CONSTANT MAGNETIC FIELD ON THE ACTIVITY OF OXIDATIVE 2490
NADAL SYSTEM DURING EXPOSURE OF THE ORGANISM TO EM FIELDS WITH DIFFERENT CHARACTERISTICS (IN RUSSIAN) 1401
FUNCTIONS OF VARIOUS SYSTEMS OF THE ORGANISM UNDER EXPOSURE TO HIGH-INTENSITY MICROWAVE FIELDS 2257
RUCTION AND REGENERATION OF THE RAT ORGANISM UNDER MICROWAVE IRRADIATION (2,400 MHZ). (IN RUS.) 0195
OF STATIC ELECTRICITY ON THE HUMAN ORGANISM UNDER THE CONDITIONS PREVAILING IN THE CITY OF FRUNZE (IN 2076
OF IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS. (IN 0162
FUNCTIONS OF VARIOUS SYSTEMS OF THE ORGANISM UNDER THE INFLUENCE OF LOW-INTENSITY MICROWAVE RADIATION 2260
CERTAIN PROTECTIVE REACTIONS OF AN ORGANISM UNDER THE INFLUENCE OF SW IN EXPERIMENTAL AND INDUSTRIAL 1457
DYNAMICS OF CHANGES IN AN ORGANISM 'S BEHAVIORAL REACTIONS INDUCED BY MICROWAVE RADIATION 0433

UENCY (50 HZ) ELECTRIC FIELD ON THE	ORGANISM	0379
TENSE MICROWAVE RADIATION ON LIVING	ORGANISMS	0460
EFFECT OF ELECTRIC FIELDS ON LIVING	ORGANISMS	0696
AND MAGNETIC FIELD EFFECT ON LIVING	ORGANISMS	1586
IGH- FREQUENCY CURRENTS UPON LIVING	ORGANISMS	1822
TIONS OF MICROWAVE FIELDS BY LIVING	ORGANISMS	2431
TIC FIELDS ON THE VITAL ACTIVITY OF	ORGANISMS	3507
MAGNETIC FIELDS AND	ORGANISMS (IN CZECHOSLOVAKIAN)	1412
ELF EM ALTERNATING FIELD ON HIGHER	ORGANISMS (IN GERMAN)	1180
D THE BIOLOGICAL ACTIVITY OF LIVING	ORGANISMS (IN RUSSIAN)	2724
CTRIC AND MAGNETIC FIELDS ON LIVING	ORGANISMS AND IN PARTICULAR ON MAN--GENERAL REVUE OF THE LIT	1585
HE EFFECTS OF RADAR WAVES ON LIVING	ORGANISMS AND RELATED METHODS OF PROTECTION, PART II (IN ITALIAN)	0451
RCEPTION OF STATIC FIELDS BY LIVING	ORGANISMS AND TERATOGENIC EFFECTS OF MICROWAVES	2830
THE BEHAVIOR OF UNICELLULAR	ORGANISMS IN AN EM FIELD	1729
COPPER, MOLYBDENUM AND IRON IN THE	ORGANISMS OF LABORATORY ANIMALS	2808
REACTIONS OF LIVING	ORGANISMS TO EXPOSURE TO MILLIMETER- BAND ELECTROMAGNETIC WAVES	3272
REACTIONS OF LIVING	ORGANISMS TO EXPOSURE TO MILLIMETER-BAND EM WAVES	2305
MENTAL INVESTIGATION OF UNICELLULAR	ORGANISMS WITH 3-CM MICROWAVES	3212
MAJOR TRENDS IN THE SCIENTIFIC	ORGANIZATION OF WORK AT RADIO AND TELEVISSION STATIONS	1436
TION PROTECTION OF THE WORLD HEALTH	ORGANIZATION REGIONAL OFFICE FOR EUROPE	0594
MICROWAVE THAWING OF CELLS AND	ORGANS	1260
IN BINDING BY TISSUES OF ALBINO RAT	ORGANS	3432
PROTEIN CONCENTRATIONS IN BLOOD AND	ORGANS (EXPERIMENTAL STUDY)	2841
ASCORBIC ACID LEVEL IN THE	ORGANS AND DAILY URINE OF ANIMALS EXPOSED TO LOW INTENSITY 10 CM W	1358
SE OF ELECTROMAGNETIC WAVES ON SOME	ORGANS AND SYSTEMS OF MAN (IN RUSSIAN)	0319
NCENTRATION OF FREE RADICALS IN THE	ORGANS AND TISSUES OF MICE	2488
TALLIC PROTEINS BONDED WITH THEM IN	ORGANS AND TISSUES OF TEST ANIMALS	1498
OF POSTMORTEM INJURY OF TISSUES AND	ORGANS BY SUPERHIGH RADIOFREQUENCIES (IN RUSSIAN)	2074
DENUM, MANGANESE, AND NICKEL IN THE	ORGANS OF A BODY EXPOSED TO INDUSTRIAL AND SUPERHIGH FREQUENCY EM	2806
ABNORMALITIES IN	ORGANS OF MICE INDUCED BY A MAGNETIC FIELD	2097
ES IN THE FUNCTIONS OF THE INTERNAL	ORGANS OF PERSONNEL OPERATING MICROWAVE GENERATORS	2263
ROTONIN (5 HT) CONTENT IN DIFFERENT	ORGANS OF RAT	2227
VITIES AND PYRIDOXINE LEVELS IN THE	ORGANS OF WHITE RATS	1513
E RECOVERY OF DEEP FROZEN CELLS AND	ORGANS : A REVIEW	0680
MARINE ELECTRIC FIELDS AND FISH	ORIENTATION	0336
	ORIENTATION AND FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF MI	2378
	ORIENTATION AND LINEAR DICHROISM OF CHLOROPLASTS AND SUB- CHLOROPL	2704
	ORIENTATION BEHAVIOR OF RING-BILLED GULL CHICKS (LARUS DELAWARENSI	1762
THE INDUCTION OF CELLULAR	ORIENTATION BY LOW-LEVEL ELECTRICAL CURRENTS	2235
	ORIENTATION EFFECTS ON MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHE	2800
FREQUENCY AND	ORIENTATION EFFECTS ON WHOLE ANIMAL ABSORPTION OF EM WAVES	1335
N AS RELATED TO SHAPE, LOCATION AND	ORIENTATION IN THE FIELD	3316
	ORIENTATION OF ACTIN AND MYOSIN FILAMENTS IN INTERMEDIATE STRENGTH	2338
	ORIENTATION OF ANIMALS IN SPACE AND TIME. (IN GERMAN)	0330
	ORIENTATION OF EUGLENA BY RADIO-FREQUENCY FIELDS	1727
GALVANOTROPIC	ORIENTATION OF GOLDFISH (CARASSIUS AURATUS)	0516
	ORIENTATION OF GULL CHICKS EXPOSED TO PROJECT SANGUINE'S EM FIELD	0912
	ORIENTATION OF HOMING PIGEONS (COLUMBIA LIVIA) EXPOSED TO EM FIELD	1755
	ORIENTATION OF HOMING PIGEONS ALTERED BY A CHANGE IN THE DIRECTION	1021
	ORIENTATION OF HOMING PIGEONS EXPOSED TO THE EM FIELDS AT PROJECT	1767
MAGNETIC FIELD ON THE COMB BUILDING	ORIENTATION OF HORNETS	0304
	ORIENTATION OF HUMAN AND AVIAN ERYTHROCYTES IN RADIO-FREQUENCY FIE	1728
IMPORTANCE OF ANTENNAE FOR	ORIENTATION OF INSECTS IN A NON-UNIFORM MICROWAVE EM FIELD	1847
	ORIENTATION OF MICROORGANISMS BY EM FIELDS: THEORY AND EXPERIMENT	1746
GEOMAGNETIC DISTURBANCE AND THE	ORIENTATION OF NOCTURNALLY MIGRATING BIRDS	1979
RBED MICROWAVE ENERGY UPON SIZE AND	ORIENTATION OF RAT PHANTOMS IN WAVEGUIDE	2194
ENCE THAT SHORTWAVE RADIATION GIVES	ORIENTATION TO VARIOUS INSECTS MOVING ACROSS HARD- SURFACE ROADS	0916
L SENSITIVITY TO MAGNETIC FIELDS IN	ORIENTATIONAL RESPONSES	2417
STUDY OF BIOLOGICAL MEMBRANES	ORIENTED IN A HOMOGENEOUS MAGNETIC FIELD	1605
HLORELLA CELLS AND PEA CHLOROPLASTS	ORIENTED IN A MAGNETIC FIELD	0197
FRACTION FROM CHLOROPLAST MEMBRANES	ORIENTED IN A MAGNETIC FIELD	1618
ASTS AND SUB- CHLOROPLAST FRAGMENTS	ORIENTED IN AN ELECTRIC FIELD	2704
MITTED BY RADAR TRANSMITTERS ON THE	ORIGINATION OF CATARACTS	3477
PROTEIN, AND PHORBOL ESTER-INDUCED	ORNITHINE DECARBOXYLASE LEVELS	2825
IBRINOLYTIC ACTIVITY IN ASPERGILLUS	ORYZAE (AHLB.) COHN (STRAIN OF MOSCOW STATE UNIVERSITY)	2828

WEAK ENVIRONMENTAL ELECTRIC FIELDS	OSCILLATING AT LOW FREQUENCY	0819
EFFECT OF MAGNETIC FIELD ON	OSCILLATING BLOOD FLOW IN ARTERIES	0920
EEG CONCOMITANTS OF EXPOSURE TO	OSCILLATING ENVIRONMENTAL ELECTRIC FIELDS	1393
DAY CAGES AND IN AN ELECTRIC FIELD,	OSCILLATING WITH RECTANGULAR PULSES AT A FREQUENCY OF 10 HZ (IN GE	2646
, GALLOPING, VIBRATION AND SUB-SPAN	OSCILLATION OF CONDUCTORS AND QUESTIONS OF THEIR LIMITATIONS	3592
EFFECT OF HIGH-FREQUENCY EM	OSCILLATIONS IN ASSOCIATION WITH TASHKENT MINERAL WATER ON THE PAN	1835
ENGLISH ABSTRACT OF 'EFFECT OF EM	OSCILLATIONS IN THE MICROWAVE RANGE ON THE IRON, COPPER, AND ALLIE	2841
DOSES OF CENTIMETER ELECTROMAGNETIC	OSCILLATIONS ON BIOCHEMILUMINESCENCE OF THE CNS AND LIVER TISSUES	0071
EN DURING WORK WITH RADIO-FREQUENCY	OSCILLATORS	0545
ER WAVES ON PATIENTS WITH DEFORMING	OSTEOARTHROSIS	0237
CURRENT ON THE COURSE OF REPARATIVE	OSTEOGENESIS	2822
TION: A DISTINCTION BETWEEN INDUCED	OSTEOGENESIS IN INTACT TIBIAE AND THE EFFECT ON FRESH FRACTURE DEF	2773
ELECTRICAL STIMULATION OF	OSTEOGENESIS IN PERIODONTAL DEFECTS	2774
REQUENCY RADIO WAVES ON THE RATE OF	OSTEOGENESIS IN THE HEALING OF EXTRACTION WOUNDS IN DOGS	0993
SPACE	OSTEOPOROSIS : AN ELECTROMAGNETIC HYPOTHESIS	0175
ARARACTS FOLLOWING USE OF MICROWAVE	OVEN	0782
OSURE TO EMISSIONS FROM A MICROWAVE	OVEN	1151
LARIZATION-- EXAMPLE, THE MICROWAVE	OVEN	1192
G OF PLASTER CASTS WITH A MICROWAVE	OVEN	2849
OF MICROBIAL FILMS IN THE MICROWAVE	OVEN	3425
LUATION OF EFFECTS OF THE MICROWAVE	OVEN (915 AND 2450 MHZ) AND RADAR (2810 AND 3050 MHZ) EMR ON NONCO	0450
MICROWAVE	OVEN CONTROVERSY SIZZLES	3084
EFFECT OF 'ELECTRIC RAY'	OVEN EXPOSURE ON SYSTEMIC LUPUS ERYTHEMATOSUS	2012
A MICROWAVE	OVEN FOR BEHAVIOURAL AND BIOLOGICAL RESEARCH: ELECTRICAL AND STRUC	1713
MICROWAVE	OVEN INTERFERENCE WITH CARDIAC PACEMAKERS	0552
MICROWAVE	OVEN IRRADIATION AS A METHOD FOR BACTERIAL DECONTAMINATION IN A CL	2786
MICROWAVE	OVEN LABELING	1320
OF THE EM FIELD COUPLING OF 915 MHZ	OVEN LEAKAGE TO HUMAN SUBJECTS BY THERMOGRAPHIC STUDIES ON PHANTOM	1153
MICROWAVE	OVEN LEAKAGE: FEDERAL REGULATIONS SOON	0488
EFFECT OF MICROWAVE	OVEN ON FACIAL RADIODERMATITIS	2011
EFFECT OF MICROWAVE	OVEN ON IMPLANTED CARDIAC PACEMAKER	0513
H, EDUCATION, AND WELFARE MICROWAVE	OVEN PERFORMANCE STANDARD	1817
PROTECTION AGAINST MICROWAVE	OVEN RADIATION LEAKAGE	0830
MICROWAVE	OVEN REPAIR: HAZARD EVALUATION	0774
THE MICROWAVE	OVEN SAFETY DEBATE	2471
RESULTS OF THE 1970 MICROWAVE	OVEN SURVEY	2034
MICROWAVE	OVEN SURVEY RESULTS IN ARKANSAS DURING 1970	0710
MICROWAVE	OVEN TEST LOAD EVALUATION OF INTERAL MICROWAVE ENERGY DISTRIBUTION	3282
	OVEN TESTERS: INEFFECTIVE INSTRUMENTS OR A POTENTIAL CONSUMER-SALE	0408
ATARACTS FOLLOWING USE OF MICROWAVE	OVEN '	2652
ATARACTS FOLLOWING USE OF MICROWAVE	OVEN '	2653
ATARACTS FOLLOWING USE OF MICROWAVE	OVEN '	2654
ATARACTS FOLLOWING USE OF MICROWAVE	OVEN '	2655
ATARACTS FOLLOWING USE OF MICROWAVE	OVEN '	2656
ATARACTS FOLLOWING USE OF MICROWAVE	OVEN '	2657
EVALUATION OF A KIT-FORM MICROWAVE	OVEN , BRH/DEP 71-7	3038
THE AUTOMATIC CONTROL OF MICROWAVE	OVENS	0038
EM RADIATION FIELDS NEAR MICROWAVE	OVENS	0571
OF EXPOSURES IN REPAIRING MICROWAVE	OVENS	0714
ANCE TESTING INITIATED FOR TV'S AND	OVENS	1288
CEDURES FOR FIELD TESTING MICROWAVE	OVENS	1956
MICROWAVE	OVENS	1988
TED WITH THE OPERATION OF MICROWAVE	OVENS	2040
RADIATION EMISSIONS FROM MICROWAVE	OVENS	3053
HEALTH CODE PERTAINING TO MICROWAVE	OVENS	3623
MICROWAVE	OVENS (IN GERMAN)	1410
DIATION EXPOSURE OVERVIEW-MICROWAVE	OVENS AND THE PUBLIC-OCS 69-1	3047
SIDENTIAL AND COMMMERCIAL MICROWAVE	OVENS IN ORANGE COUNTY, CALIF	0683
HAVE RADAR	OVENS THE POTENTIAL TO DO HARM?	0961
LEAKAGE VARIATIONS FROM MICROWAVE	OVENS , BRH/DEP 70-11	3030
TESTING AND EVALUATION OF MICROWAVE	OVENS , BRH/DEP 70-25 ,	3034
SPURIOUS RADIATION FROM MICROWAVE	OVENS	0347
LEAKAGE VARIATIONS FROM MICROWAVE	OVENS	3228
MICROWAVE	OVENS : A POTENTIAL RISK TO PATIENTS WITH CARDIAC PACEMAKERS	3579
MICROWAVE	OVENS : COOKING WITH YOUR FINGERS CROSSED	2930

MICROWAVE	OVENS : NOT RECOMMENDED	1986
MICROWAVE	OVENS : WHAT'S COOKING?	0936
A REVIEW OF THE HEALTH HAZARDS FROM	OVEREXPOSURE TO MICROWAVE RADIATION	3068
ACT TO ALTER RAT BEHAVIOR FOLLOWING	OVERNIGHT EXPOSURE	0417
MICROWAVES OR ULTRASONIC ENERGY--AN	OVERVIEW	1596
/OT SPECTRUM MANAGEMENT PROGRAM--AN	OVERVIEW	1742
ELECTROMAGNETIC COMPATIBILITY - AN	OVERVIEW	3025
PROJECT SANGUINE:	OVERVIEW AND STATUS OF THE NAVY'S ELF COMMUNICATIONS SYSTEM CONCEP	1667
AN	OVERVIEW OF DIATHERMY SOURCES	3185
	OVERVIEW OF EMR RESEARCH: PAST, PRESENT, AND FUTURE	1055
CE TO 2450-MHZ MICROWAVE RADIATION:	OVERVIEW OF IMMUNOLOGY AND EMPIRICAL STUDIES OF LYMPHOID SPLENIC C	2756
	OVERVIEW OF THE BIOLOGICAL EFFECTS OF EMR	0588
SPECTS OF NONIONIZING RADIATION: AN	OVERVIEW OF THE NWL EFFORT	0827
TIC AND LOW FREQUENCY EM FIELDS: AN	OVERVIEW OF UNITED STATES LITERATURE	2393
RADIATION EXPOSURE	OVERVIEW-MICROWAVE OVENS AND THE PUBLIC-OCS 69-1	3047
	OVERVIEWS ON NONIONIZING RADIATION	2021
MAJOR PRINCIPLES IN SWITCHING	OVERVOLTAGE PROTECTION OF EXTRA HIGH VOLTAGE POWER TRANSMISSIONS	3589
DANGER OF	OVERWARMING BLOOD BY MICROWAVE	0445
	OVICIDAL LEVELS OF 2.45 GHZ EM ENERGY FOR THE SOUTHERN CORN ROOTWO	1126
	OXIDANT MEASUREMENTS IN THE VICINITY OF ENERGIZED 765 KV LINES	3014
EXPERIMENTAL	OXIDANT PRODUCTION RATES FOR EHV TRANSMISSIONS LINES AND THEORETIC	3113
EFFECTS OF THE ENVIRONMENT ON	OXIDANTS PRODUCTION IN AC CORONA	3106
ION AND MICROWAVE GENERATED SINGLET	OXIDATION	2046
BIOLOGICAL	OXIDATION IN CELLS UNDER THE INFLUENCE OF RADIOWAVES IN THE MILLIM	0060
	OXIDATION OF AMINO ACIDS BY SINGLET OXYGEN: I. COMPARISON OF DYE S	2046
LLOPROTEINES AND SOME INDICATORS OF	OXIDATION- REDUCTION PROCESSES IN THE ORGANISM	2348
T MAGNETIC FIELD ON THE ACTIVITY OF	OXIDATIVE ENZYMES IN THE LIVERS OF MICE	2490
MICROSOMAL ATPASE AND MITOCHONDRIAL	OXIDATIVE PHOSPHORYLATION	1080
CY RADIATION ON BRAIN MITOCHONDRIAL	OXIDATIVE PHOSPHORYLATION (IN RUSSIAN)	1404
OF ANENOSINE MONOPHOSPHORIC ACID ON	OXIDATIVE PHOSPHORYLATION IN THE LIVER DURING PROLONGED EXPOSURE T	1838
BY THE EFFECTS OF EMR, GLUCOSE AND	OXYGEN	0079
	OXYGEN AND BIOCHEMICAL CHANGES FOLLOWING ELF EXPOSURE	2636
	OXYGEN CONSUMPTION AND RESPIRATORY QUOTIENT IN FIVE ANIMAL POPULAT	1390
	OXYGEN CONSUMPTION AND RESPIRATORY QUOTIENT IN FIVE ANIMAL POPULAT	1763
	OXYGEN CONSUMPTION IN FOUR SPECIES OF INVERTEBRATES AND A VERTEBRA	1706
DOSE RATE RELATED EFFECTS ON THE	OXYGEN CONSUMPTION OF MICE DURING AND AFTER MICROWAVE IRRADIATION	2910
DOSE RATE AND	OXYGEN CONSUMPTION RATE IN MICE CONFINED IN A SMALL HOLDER DURING	2821
WAVES AND A GAS MIXTURE WITH A LOW	OXYGEN CONTENT	2029
F TUMOR CELLS BY MICROWAVES--END OF	OXYGEN PROBLEMS? (IN GERMAN)	2623
ELECTRICAL STIMULATION AND	OXYGEN TENSION	2234
EFFECTS OF SHF FIELDS ON MUSCLE	OXYGEN TENSION AND TEMPERATURE IN RATS ADAPTED TO HYPOXIA	0378
RATE OF MICROWAVE RADIATION ON THE	OXYGEN-CONSUMPTION RATE OF MICE	0369
	OXYGEN-CONSUMPTION RATE OF MICE UNDER DIFFERING DOSE RATES OF MICR	2745
	OXYGEN-CONSUMPTION RATE OF MICE UNDER DIFFERING DOSE RATES OF MICR	2900
OXIDATION OF AMINO ACIDS BY SINGLET	OXYGEN : I. COMPARISON OF DYE SENSITIZED PHOTOOXIDATION AND MICROWA	2046
LINES AND THEORETICAL ESTIMATES OF	OZONE CONCENTRATING NEAR OPERATING LINES	3113
HE FUNCTION OF AN IMPLANTED CARDIAC	PACEMAKER	0260
MICROWAVE OVEN ON IMPLANTED CARDIAC	PACEMAKER	0513
HEN YOU TRANSMIT YOU CAN TURN OFF A	PACEMAKER	3028
RADAR-INDUCED FAILURE OF A DEMAND	PACEMAKER	3583
ANTATION IN SERIES WITH ANY KIND OF	PACEMAKER (IN ITALIAN)	2078
ENVIRONMENTAL INFLUENCES ON CARDIAC	PACEMAKER ACTIVITY	1432
URBANCES IN THE FUNCTION OF CARDIAC	PACEMAKER CAUSED BY SHORT WAVE AND MICROWAVE DIATHERMIES AND PULSE	2087
GALLOPING OF	PACEMAKER DURING HIGH-FREQUENCY THERAPY (IN GERMAN)	2586
CARDIAC	PACEMAKER EM INTERFERENCE (3050 MHZ)	0649
CARDIAC	PACEMAKER EMC IN PERSPECTIVE	2382
CARDIAC	PACEMAKER EMC IN PERSPECTIVE (SUMMARY)	3061
N THE HAZARDS OF ARTIFICIAL CARDIAC	PACEMAKER EXPOSURE TO RADIO FREQUENCY FIELDS AND ELECTRIC SHOCK	0527
INTERFERENCE WITH CARDIAC	PACEMAKER FUNCTION	2028
ATTACKS ARISING FROM ERRATIC DEMAND	PACEMAKER FUNCTION IN THE VICINITY OF A TELEVISION TRANSMITTER	2004
EMPIRICAL STUDIES OF CARDIAC	PACEMAKER INTERFERENCE	1019
	PACEMAKER INTERFERENCE: A LOW RISK	1237
THE	PACEMAKER PATIENT AND THE EM ENVIRONMENT	1025
ENCY RADIATION EMISSSION ON CARDIAC	PACEMAKER PERFORMANCE	1777
UENCY RADIATION EMISSION ON CARDIAC	PACEMAKER PERFORMANCE	2199

	PACEMAKER PERFORMANCE IN THE VICINITY OF FM AND TV TRANSMITTERS	2415
	PACEMAKER TESTING CONSIDERATIONS AND TECHNIQUES	2273
LINAL MICROWAVE HAZARDS TO CARDIAC	PACEMAKER WEARERS	0361
INTERFERENCE IN AN EXTERNAL DEMAND	PACEMAKER--REPT . OF A CASE	2370
MHZ) EMR ON NONCOMPETITIVE CARDIAC	PACEMAKERS	0450
WAVE OVEN INTERFERENCE WITH CARDIAC	PACEMAKERS	0552
EMR INTERFERENCE WITH CARDIAC	PACEMAKERS	0792
INTERFERENCE (2450 MHZ) ON CARDIAC	PACEMAKERS	1285
IELDS (450 AND 3100 MHZ) ON CARDIAC	PACEMAKERS	1289
THE EFFECT OF RADAR ON CARDIAC	PACEMAKERS	1316
EM INTERFERENCE OF CARDIAC	PACEMAKERS	1602
TV BROADCAST STATIONS UPON CARDIAC	PACEMAKERS	1654
FFECT OF EM INTERFERENCE ON CARDIAC	PACEMAKERS	1999
N MAY CAUSE SERIOUS MALFUNCTIONS IN	PACEMAKERS	2003
GNETOMETER ON PERMANENTLY IMPLANTED	PACEMAKERS	2036
ROMAGNETIC COMPATIBILITY OF CARDIAC	PACEMAKERS	2270
USCEPTIBILITY TEST PROGRAM ON HEART	PACEMAKERS	2272
AL INFLUENCE ON IMPLANTABLE CARDIAC	PACEMAKERS	3078
NTIAL RISK TO PATIENTS WITH CARDIAC	PACEMAKERS	3579
STRALIAN NON-COMPETITIVE ('DEMAND')	PACEMAKERS	3580
ONS UPON THE PERFORMANCE OF CARDIAC	PACEMAKERS (PILOT STUDY) NOVEMBER 1972	3553
ON AFFORDED BY THE METAL CAPSULE OF	PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENC	2588
CARDIAC	PACEMAKERS AND EMI FROM THERAPEUTIC RADIATION GENERATING MACHINES	2316
	PACEMAKERS AND EXTERNAL INTERFERENCE	2009
INTERFERENCE WITH CARDIAC	PACEMAKERS BY DIATHERMY TESTED IN VARIOUS SIMULATION MODELS	0235
INHIBITION OF DEMAND	PACEMAKERS BY SKELETAL MUSCLE POTENTIALS	2839
THE BEHAVIOR OF TRIGGERED UNIPOLAR	PACEMAKERS IN ACTIVE MAGNETIC FIELDS	2086
THE EFFECTS ON CARDIAC	PACEMAKERS OF IONIZING RADIATION AND ELECTROMAGNETIC INTERFERENCE	3417
EM SUSCEPTIBILITY OF HEART	PACEMAKERS TEST RESULTS	2296
SUSCEPTIBILITY OF CARDIAC	PACEMAKERS TO 60 HZ MAGNETIC FIELDS	2271
SUSCEPTIBILITY OF CARDIAC	PACEMAKERS TO ELF MAGNETIC FIELDS	1754
MICROWAVES AND	PACEMAKERS--JUST HOW WELL DO THEY GO TOGETHER?	1987
ANTI-HIJACKING EFFORTS AND CARDIAC	PACEMAKERS--REPORT OF A CLINICAL STUDY	2969
OMAGNETIC FIELDS ON THE FUNCTION OF	PACEMAKERS . (IN CZE)	0356
RICAL PACING OF THE CANINE DUODENAL	PACESETTER POTENTIAL	1840
RADIOFREQUENCY SYNCHRONIZATION AND	PACING IN THE LONG-TERM TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN F	3399
OWED GASTRIC EMPTYING BY ELECTRICAL	PACING OF THE CANINE DUODENAL PACESETTER POTENTIAL	1840
A MEDICAL X-RAY SURVEY	PACKET	2958
AGULATION IN THE CONTROL OF CHRONIC	PAIN	0931
CREENING PROCEDURE RELIEVES CHRONIC	PAIN	0976
(TRANSCUTANEOUS) FOR THE RELIEF OF	PAIN	1677
ION IN THE CONTROL OF POSTOPERATIVE	PAIN	1926
ICAL STIMULATION FOR THE CONTROL OF	PAIN	2647
CENTRAL GRAY STIMULATION FOR CANCER	PAIN	3421
CHRONIC STIMULATING ELECTRODES FOR	PAIN CONTROL	1878
RE FUNCTIONAL CORRELATES OF INDUCED	PAIN IN MAN	0138
METHODS OF	PAIN MODULATION BY ELECTRICAL STIMULATION (IN GERMAN)	1793
	PAIN RELIEF BY ELECTRICAL STIMULATION OF THE CENTRAL GRAY MATTER I	2858
	PAIN SENSATIONS ASSOCIATED WITH ELECTROCUTANEOUS STIMULATION	1245
PHANTOM LIMB	PAIN TREATED BY ELECTRICAL STIMULATION	3420
THE POSTEROMEDIAL HYPOTHALAMUS AND	PAIN , BEHAVIOR, WITH SPECIAL REFERENCE TO ENDOCRINOLOGICAL FINDING	3419
AS AN ANALGESIC MEASURE IN CHRONIC	PAIN	0143
EXPERIENCE WITH MAGNETIC THERAPY OF	PAINFUL NEUROMAS OF EXTREMITY STUMPS (IN RUSSIAN)	2845
OF GASSER'S GANGLION IN TRIGEMINAL	PAINS (IN SPANISH)	2859
DIELECTRIC BEHAVIOUR OF METHYL	PALMITATE IN THE MICROWAVE REGION	3482
DIELECTRIC BEHAVIOUR OF METHYL	PALMITATE :EVIDENCE OF RESONANCE ABSORPTION	3483
POSED LORAN-C STATION AT TWENTYNINE	PALMS , CALIFORNIA	3597
WITH TASHKENT MINERAL WATER ON THE	PANCREATIC FUNCTION IN PATIENTS WITH CHRONIC COLITIS (IN RUSSIAN)	1835
PAGATION OF PLANE WAVES THROUGH TWO	PARALLEL DIELECTRIC SHEETS	3550
MICROWAVE SATURATION EFFECTS ON	PARAMAGNETIC CENTERS OF PROTEINS IRRADIATED WITH ULTRAVIOLET LIGHT	1476
NUCLEAR AND ELECTRON	PARAMAGNETIC RESONANCE AND ITS APPLICATION TO BIOLOGY	0832
SEARCH INST. ON THE USE OF ELECTRON	PARAMAGNETIC RESONANCE TO EVALUATE THE CHEMICAL AND/OR PHYSICAL CH	1581
BEHAVIOUR OF THE CILIATE,	PARAMECIUM BURSARIA FOCKE, IN EM FIELD	1913
MOTION OF	PARAMECIUM IN STATIC ELECTRIC AND MAGNETIC FIELDS	3489
ALTERED UHF MILLIMETER IRRADIATION	PARAMETRIC VARIATION	1485

HIGH-FREQUENCY ELECTRIC FIELD UPON	PARAMOECIUM	3464
CONSTRUCTION AND CALIBRATION OF	PARELLEL PLATE TRANSMISSION LINE FOR ELECTROMAGNETIC INTERFERENCE	3513
NCY EM FIELDS ON THE CAPILLARY BED,	PARENCHYMA , AND SOME BIOCHEMICAL PROPERTIES OF RAT TESTES	1502
	PARENTAL FACTORS IN DOWN'S SYNDROME--RESULTS OF THE SECOND BALTIMO	1950
	PARENTAL RADIATION AND DOWN'S SYNDROME, WITH PARTICULAR ATTENTION	0223
RADIATION EXPOSURE IN	PARENTS OF CHILDREN WITH MONGOLISM (DOWN'S SYNDROME)	2035
DISEASES AND WITH SPASTIC AND MIXED	PARESES	0215
N OF THE NEUROMUSCULAR APPARATUS OF	PARKINSONISM PATIENTS SUBJECTED TO DECIMETER WAVE THERAPY	1491
A REPORTER AT LARGE: MICROWAVES,	PARTI	1106
MULTIPLE AND	PARTIAL CORRELATION BETWEEN ATMOSPHERIC NOISE LEVELS AT DIFFERENT	3176
A	PARTIAL INVENTORY OF MICROWAVE TOWERS, BROADCASTING TRANSMITTERS,	2851
A	PARTIAL INVENTORY OF MICROWAVE TOWERS, BROADCASTING TRANSMITTERS,	3227
EVIDENCE FOR ELECTRICALLY INDUCED	PARTIAL STRAND SEPARATION OF DNA	2225
A NON-INVASIVE,	PARTIAL-BODY EXPOSURE METHOD FOR MEASURING THE COMPLEX PERMITTIVIT	0088
MICROWAVE BEHAVIOR OF	PARTIALLY MAGNETIZED FERRITES	3355
ERR EFFECT FOR SUSPENSIONS OF RIGID	PARTICLES	1732
IELDS ON BIOLOGICAL CELLS AND OTHER	PARTICLES (IN GERMAN)	1733
MICROWAVES, MAGNETIC IRON	PARTICLES AND LASERS AS A COMBINED TEST MODEL FOR INVESTIGATION OF	1619
MECHANICAL EFFECTS OF AC FIELDS ON	PARTICLES DISPERSED IN A LIQUID: BIOLOGICAL IMPLICATIONS (A THESIS	3054
HE CONDUCTIVITY OF MEMBRANE-BOUNDED	PARTICLES OF BIOLOGICAL RELEVANCE	1934
RESPONSE OF NONSPHERICAL BIOLOGICAL	PARTICLES TO ALTERNATING ELECTRIC FIELDS	0553
APY OF TUMORS--ALTERNATIVE TO HEAVY	PARTICLES ?	0906
RADIATION AND DOWN'S SYNDROME, WITH	PARTICULAR ATTENTION TO IONIZING RADIATION AND RADAR	0223
ED TO THE EFFECT OF MICROWAVES WITH	PARTICULAR CONSIDERATION OF DULLNESS IN THE EYELENSES	3474
D TO THE EFFECT OF MICROWAVES (WITH	PARTICULAR CONSIDERATION OF DULLNESS IN THE EYELENSES)	2578
C FIELDS ON LIVING ORGANISMS AND IN	PARTICULAR ON MAN--GENERAL REVUE OF THE LIT	1585
FFECTS OF MICROWAVE RADIATION, WITH	PARTICULAR REFERENCE TO THE EYE	2869
TS ON THE BLOOD-FORMING SYSTEM WITH	PARTICULAR REFERENCE TO THE LYMPHOCYTE	1074
AIN AREA IN THE RAT. EVIDENCE FOR A	PARTICULAR ROLE OF THE VENTRAL MESENCEPHALIC TEGMENTUM	1871
OSES AUX ONDES ULTRA-COURTES: ETUDE	PARTICULIERE DES EFFETS DE CES ONDES SUR LA REPRODUCTION DE CES AN	2919
NG MATERIALS AND ANECOHIC CHAMBERS,	PARTS I THRU IV	3306
REACTIONS OF NEURONS FROM DIFFERENT	PARTS OF THE BRAIN TO REPEATED SHF IRRADIATION (IN RUS)	0350
HEATING OF THE UTERINE WALL DURING	PARTURITION	0467
HEATING OF THE UTERINE WALL DURING	PARTURITION	3391
	PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS III. CONDUCTIVITY	1915
	PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS IV. STUDIES OF THE	1916
	PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS V. LOW-FREQUENCY D	1917
A	PASSIVE ELECTRODELESS METHOD FOR DETERMINING THE INTERIOR FIELD OF	1235
	PASSIVE TELEMETRY FOR IN VIVO MEASUREMENT OF FIELDS IN BIOLOGICAL	1144
MICROWAVE	PASTEURIZATION OF MILK	0918
CHRONIC	PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DIS	3414
ACTIVITY OF NEUROMUSCULAR AND SYM-	PATHETIC SYSTEMS DURING EXPOSURE TO A STEADY MAGNETIC FIELD	0426
	PATHOANATOMICAL CHARACTERIZATION OF CHANGES INDUCED IN EXPERIMENTA	1454
	PATHOGENESIS AND AGGRAVATION OF OCCUPATIONAL DISEASES CAUSED BY RA	1626
	PATHOGENESIS OF INSULIN DEFICIENCY INDUCED BY ALTERNATING MAGNETIC	0014
	PATHOGENESIS OF INSULIN DEFICIENCY ON EXPOSURE TO COMMERCIAL-FREQU	0249
PROBLEMS OF THE ETIOLOGY AND	PATHOGENESIS OF THE PATHOLOGICAL PROCESSES CAUSED BY MICROWAVE RAD	2266
THE CLINIC,	PATHOGENESIS , TREATMENT, AND OUTCOME OF RADIOWAVE SICKNESS	1441
LTRAHIGH FREQUENCY FIELD ON CERTAIN	PATHOGENIC MICROORGANISMS	1506
Y MICROWAVE ENERGY TO DESTROY PLANT	PATHOGENS	3471
	PATHOHISTOLOGICAL CHANGES IN THE EYES OF RABBITS EXPOSED TO SUPER-	0963
HYPERTHERMIC AND	PATHOLOGIC EFFECTS OF EMR (350 MC)	1855
CERTAIN PHYSIOLOGIC AND	PATHOLOGIC EFFECTS OF MICROWAVES	0494
LOOD METABOLITE, HEMATOLOGICAL, AND	PATHOLOGICAL CHANGES	0957
	PATHOLOGICAL EFFECTS OF RADIO WAVES	2248
HE ETIOLOGY AND PATHOGENESIS OF THE	PATHOLOGICAL PROCESSES CAUSED BY MICROWAVE RADIATION	2266
SOCIATED WITH CONCOMITANT ANNOTATED	PATHOLOGIES	0890
ABSENCE OF OCULAR	PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3	0174
THE	PATHOLOGY OF HYPERPYREXIA	1564
BIOLOGIC AND	PATHOPHYSIOLOGIC EFFECTS OF EXPOSURE TO MICROWAVES	0112
BIOLOGIC AND	PATHOPHYSIOLOGIC EFFECTS OF EXPOSURE TO MICROWAVES OR ULTRASONIC E	1596
	PATHOPHYSIOLOGICAL ASPECTS OF EXPOSURE TO MICROWAVES	1597
	PATHOPHYSIOLOGICAL ASPECTS OF MICROWAVE IRRADIATION, PART 2: CRITI	0702
L. SUSPENSION PHYSIOLOGY AND INDUCED	PATHOPHYSIOLOGY	0054
THE	PATHOPHYSIOLOGY OF ACUTE ELECTRIC INJURIES	2321

THYROID	PATHOPHYSIOLOGY OF MICROWAVE RADIATION	0537
A COAXIAL	PATHWAY FOR RECORDING FROM THE CAT BRAIN STEM DURING ILLUMINATION	1037
RMIA IN THE TREATMENT OF THE CANCER	PATIENT	0448
THE PACEMAKER	PATIENT AND THE EM ENVIRONMENT	1025
SYNOPSIS OF ELECTRICAL	PATIENT SAFETY	2278
, RADIO SHORT WAVES (DIAPULSE). 646	PATIENTS	1823
OF CHRONIC TONSILLITIS IN EPILEPTIC	PATIENTS	1928
GES IN SOME BLOOD TRACE ELEMENTS IN	PATIENTS AND ACUTE THROMBOPHLEBITIS OF THE LOWER EXTREMITIES UNDER	2479
OMUSCULAR APPARATUS OF PARKINSONISM	PATIENTS SUBJECTED TO DECIMETER WAVE THERAPY	1491
VE THERAPY AND RADIATION THERAPY ON	PATIENTS WITH ADVANCED CANCER	2336
ICS AND MYOCARDIUM CONTRACTILITY IN	PATIENTS WITH AURICULAR FIBRILLATION (IN RUSSIAN)	1396
CROWAVE OVENS: A POTENTIAL RISK TO	PATIENTS WITH CARDIAC PACEMAKERS	3579
WATER ON THE PANCREATIC FUNCTION IN	PATIENTS WITH CHRONIC COLITIS (IN RUSSIAN)	1835
MAGNETIC FIELD IN THE TREATMENT OF	PATIENTS WITH DEFORMING ARTHROSIS OF THE KNEE JOINTS	0278
CTION OF PULSED CENTIMETER WAVES ON	PATIENTS WITH DEFORMING OSTEOARTHROSIS	0237
ON SPERMATOGENESIS IN TREATMENT OF	PATIENTS WITH EPIDIDYMITIS	0933
TICS OF THE OCCUPATIONAL PATTERN OF	PATIENTS WITH LEUKEMIA AND LYMPHOGRANULOMATOSIS (ACCORDING TO DAT	0025
PART OF COMPREHENSIVE TREATMENT FOR	PATIENTS WITH PEPTIC ULCER	2804
CURRENT IN INTEGRATED TREATMENT OF	PATIENTS WITH SPINAL CORD DISEASES AND WITH SPASTIC AND MIXED PARE	0215
F THE CEREBRAL ELECTRIC ACTIVITY IN	PATIENTS WITH THE CLIMACTERIC SYNDROME DURING THE TREATMENT BY PUL	1409
THERAPY IN THE COMPLEX TREATMENT OF	PATIENTS WITH ULCERS (IN RUSSIAN)	0325
THE DIPOLE/SLOT RADIATION	PATTERN AND ITS USE IN UNDERSTANDING MICROWAVE LEAKAGE AND SURVEY	0773
MAPPING OF THE NEAR-FIELD	PATTERN IN SIMULATED BIOLOGICAL TISSUES	0145
CHARACTERISTICS OF THE OCCUPATIONAL	PATTERN OF PATIENTS WITH LEUKEMIA AND LYMPHOGRANULOMATOSIS (ACCOR	0025
AGNETIC FIELDS AND RELATIVE HEATING	PATTERNS DUE TO A RECTANGULAR APERTURE SOURCE IN DIRECT CONTACT WI	2947
PREDICTION OF AERIAL RADIATION	PATTERNS FROM NEAR FIELD MEASUREMENTS	3294
ENERGY ABSORPTION	PATTERNS IN CIRCULAR TRIPLE-LAYERED TISSUE CYLINDERS EXPOSED TO PL	0851
IQUE FOR MEASURING POWER DEPOSITION	PATTERNS IN PHANTOMS EXPOSED TO EM FIELDS OF ARBITRARY POLARIZATIO	1192
EEG	PATTERNS IN RELATION TO RESPIRATORY RATE AND BODY MOVEMENT IN MACA	0734
MICROWAVE HEATING	PATTERNS IN SIMPLE TISSUE MODELS	2705
MEASUREMENT OF ABSORBED POWER	PATTERNS IN THE HEAD AND EYES OF RABBITS EXPOSED TO TYPICAL MICROW	1864
QUANTITATION OF INDUCED EM FIELD	PATTERNS IN TISSUE AND ASSOCIATED BIOLOGIC EFFECTS	1261
INTERFERENCE	PATTERNS OF A HORIZONTAL ELECTRIC DIPOLE OVER LAYERED DIELECTRIC M	0748
MORTALITY	PATTERNS OF MOUSE SARCOMA 180 CELLS RESULTING FROM DIRECT HEALTH A	3468
HEATING	PATTERNS PRODUCED IN HUMANS BY 433.92 MHZ ROUND FIELD APPLICATOR A	1325
COMPARISON OF RELATIVE HEATING	PATTERNS PRODUCED IN TISSUES BY EXPOSURE TO MICROWAVE ENERGY AT FR	3329
RF RADIATION ABSORPTION	PATTERNS : HUMAN AND ANIMAL MODELING DATA	2792
	PEARL CHAIN FORMATION	1567
	PEARL CHAIN FORMATION ACROSS RADIO FREQUENCY FIELDS	1730
ACCELERATION OF TRANSFER OF TUBE	PEDICLES AND FLAPS	1826
URES OF DROSOPHILA MELANOGASTER AND	PELVETIA FASTIGIATA	2563
BIOTIC THERAPY IN THE MANAGEMENT OF	PELVIC INFLAMMATORY DISEASE: A PRELIMINARY REPT	1809
WHAT HAPPENS WHEN RADIO WAVES	PENETRATE THE HUMAN SKIN	1267
COMPLEX PERMITTIVITY AND	PENETRATION DEPTH OF CERTAIN BIOLOGICAL TISSUE BETWEEN 40 AND 90 G	3243
COMPLEX PERMITTIVITY AND	PENETRATION DEPTH OF MUSCLE AND FAT TISSUES BETWEEN 40 AND 90 GHZ	1234
ON THE	PENETRATION OF UHF ENERGY THROUGH THE HEAD	2269
FREQUENCY EMR ON THE SENSITIVITY TO	PENTETRAZOL OF THE WHITE MOUSE (IN FRENCH)	0862
ATION: A STUDY OF EFFECTS OF SODIUM	PENTOBARBITAL ON ACETYLCHOLINE CONCENTRATION IN MOUSE BRAIN REGION	1202
EFFECT OF MICROWAVE RADIATION ON	PENTOBARBITAL-INDUCED SLEEPING TIME	2171
HENSIVE TREATMENT FOR PATIENTS WITH	PEPTIC ULCER	2804
CRYSTALLINE POWDERS OF AMINO ACIDS,	PEPTIDES & PROTEINS	3203
	PERCEPTION AND EFFECTS ON LOCOMOTOR ACTIVITY IN AMERICAN EELS AND	1783
OCEANIC ELECTRIC FIELDS:	PERCEPTION BY AMERICAN EELS?	1851
HUMAN	PERCEPTION OF ILLUMINATION WITH PULSED UHF EM ENERGY	0479
SENSATION AND	PERCEPTION OF MICROWAVE ENERGY	1376
CUTANEOUS	PERCEPTION OF MICROWAVES	0624
TURES CONTRIBUTE LITTLE TO AUDITORY	PERCEPTION OF MICROWAVES	0411
HUMAN	PERCEPTION OF MODERATE STRENGTH LOW FREQUENCY MAGNETIC FIELDS	1657
HUMAN	PERCEPTION OF MODERATE STRENGTH LOW FREQUENCY MAGNETIC FIELDS	2813
	PERCEPTION OF STATIC FIELDS BY LIVING ORGANISMS AND TERATOGENIC EF	2830
RATION, ACTIVITY IN RUUNNING WHEEL,	PERCEPTION REACTIONS, AND TRAINI	0120
	PERCUTANEOUS CENTRAL GRAY STIMULATION FOR CANCER PAIN	3421
	PERCUTANEOUS RADIOFREQUENCY DENERVATION OF SPINAL FACETS	1331
	PERCUTANEOUS RADIOFREQUENCY ELECTROCOAGULATION IN THE CONTROL OF C	0931
	PERCUTANEOUS RADIOFREQUENCY LUMBAR RHIZOLYSIS	2853

ECTS OF LOW INTENSITY MICROWAVES ON	PERFORMANCE	0506
TION EMISSSION ON CARDIAC PACEMAKER	PERFORMANCE	1777
OF MAGNETIC FIELDS ON REACTION TIME	PERFORMANCE	2107
ATION EMISSION ON CARDIAC PACEMAKER	PERFORMANCE	2199
	PERFORMANCE AND SAFETY STANDARDS FOR ELECTROSURGICAL DEVICES...	1954
PRIMATE	PERFORMANCE ASSESSMENT FOLLOWING 3.2-GHZ EXPOSURES	0740
	PERFORMANCE EFFECTS OF CHRONIC MICROWAVE RADIATION	2288
A COMPARISON OF INSTRUMENT	PERFORMANCE IN MEASURING X-RAY TUBE CURRENT AND MAS	0630
PACEMAKER	PERFORMANCE IN THE VICINITY OF FM AND TV TRANSMITTERS	2415
ARCH AND DEVELOPMENT OF FUNDAMENTAL	PERFORMANCE INFORMATION RELEVANT TO THE BEHAVIORAL EFFECTS OF LOW	2576
THE DESIGN AND	PERFORMANCE OF A CIRCULARLY POLARIZED DIRECT CONTACT APPLICATOR FO	2456
THE	PERFORMANCE OF A NEW DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATH	0047
AND FM BROADCAST STATIONS UPON THE	PERFORMANCE OF CARDIAC PACEMAKERS (PILOT STUDY) NOVEMBER 1972	3553
RIOUS EM FIELDS ON THE REPRODUCTIVE	PERFORMANCE OF CHICKENS	2687
ATISTICAL ANALYSIS OF AUDIBLE NOISE	PERFORMANCE OF CONDUCTORS AT 775 KV	3115
AN EVALUATION OF EMC	PERFORMANCE OF PULSE-DOPPLER RADAR SYSTEMS	3512
	PERFORMANCE OF THE LCOF PROBE IN CALORIMETRIC AND TISSUE TEMPERATU	2201
SURVEY OF USE AND	PERFORMANCE OF ULTRASONIC THERAPY EQUIPMENT IN PINELLAS COUNTY, FL	0638
	PERFORMANCE OF X-RAY MEASUREMENT INSTRUMENTS WHEN SUB- JECTED TO E	0418
UCATION, AND WELFARE MICROWAVE OVEN	PERFORMANCE STANDARD	1817
	PERFORMANCE STANDARD FOR MICROWAVE DIATHERMY PRODUCTS	3608
	PERFORMANCE STANDARDS FOR ELECTRONIC EQUIPMENT AS THEY APPLY TO PE	3526
A COMPARATIVE	PERFORMANCE STUDY OF SPACED APPLICATORS IN MICROWAVE DIATHERMY	1154
IATHERMY APPLICATORS--COMPARISON OF	PERFORMANCE WITH CONVENTIONAL TYPES	2674
FREQUENCY MAGNETIC FIELDS ON HUMAN	PERFORMANCE : A PRELIMINARY STUDY	1322
ECTS OF ELECTROMAGNETIC WAVES: PAST	PERFORMANCES AND FUTURE CHALLENGES	0080
SUMMARY OF THE RESEARCH	PERFORMED AT THE U. OF CALIF	1468
MEDICO-SOCIAL ASPECTS OF LABOR	PERFORMED WITHIN THE RANGE OF EM HIGH FREQUENCY RADIATION (IN POLI	2018
F PRECOOKED CHICKEN ON CLOSTRIDIUM	PERFRINGENS	2501
SURVIVAL OF CLOSTRIDIUM	PERFRINGENS ON CHICKEN COOKED WITH MICROWAVE ENERGY	2497
POSITION AND TOXIN PRODUCTION BY Cl	PERFRINGENS , TYPE D	2482
OLOGICAL EFFECTS OF CONTINUOUS AND	PERIODIC MICROWAVE IRRADIATION IN ACUTE TESTS	1363
OLOGICAL EFFECTS OF CONTINUOUS AND	PERIODIC MICROWAVE IRRADIATION IN CHRONIC EXPERIMENTS	1364
ICAL STIMULATION OF OSTEOGENESIS IN	PERIODONTAL DEFECTS	2774
SURVIVAL	PERIODS OF RATS INJECTED WITH ACETYLCHOLINE, EPINEPHRINE, HISTAMIN	0355
SQUIRREL MONKEYS EXPOSED FOR SHORT	PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS	1297
OSURE OF SQUIRREL MONKEYS FOR LONG	PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS: CENTRAL-NERVOU	1752
THE ELECTRICAL ENHANCEMENT OF	PERIOSTEAL PROLIFERATION IN NORMAL AND DELAYED FRACTURE HEALING	2782
HF EM FIELDS AND SOFT X-RAYS ON THE	PERIPHERAL BLOOD	1452
VELOPMENT OF RETICULOCYTOSIS IN THE	PERIPHERAL BLOOD DURING AN EXPOSURE TO A CONSTANT MAGNETIC FIELD (	1628
CHANGES IN	PERIPHERAL BLOOD FLOW PRODUCED BY SHORT-WAVE DIATHERMY	0620
CHANGES IN THE	PERIPHERAL BLOOD OF GUINEA PIGS INDUCED BY A THREE CENTIMETER EM F	1488
CHANGES IN THE	PERIPHERAL BLOOD OF THE RAT EXPOSED TO MICROWAVE RADIATION (2400 M	0682
TIONS INDUCED BY SHORT WAVES ON THE	PERIPHERAL CIRCLE (STUDY OF NORMAL SUBJECTS)	1925
FFECT OF MICROWAVE DIATHERMY ON THE	PERIPHERAL CIRCULATION AND ON TISSUE TEMPERATURE IN MAN	0481
CEREBRAL AND	PERIPHERAL CIRCULATION IN PERSONS HANDLING SOURCES OF ULTRAHIGH RA	1499
LONG TERM RESULTS OF	PERIPHERAL CONDITIONING STIMULATION AS AN ANALGESIC MEASURE IN CHR	0143
	PERIPHERAL ELECTROSENSE PHYSIOLOGY: A REVIEW OF RECENT FINDINGS	0343
G AND PERMANENT INTERACTION BETWEEN	PERIPHERAL NERVE AND A CONSTANT INHOMOGENOUS MAGNETIC FIELD	1002
	PERIPHERAL NERVE INJURY FROM IMPLANTATION OF CHRONIC STIMULATING E	1878
THE EFFECTS OF PULSED EM ENERGY ON	PERIPHERAL NERVE REGENERATION	1054
ESPONSE TO MICROWAVE STIMULATION OF	PERIPHERAL NERVES	1540
ECT OF 2450 MHZ MICROWAVE FIELDS ON	PERIPHERAL NERVES	2384
ERMODE AND MICROWAVE STIMULATION OF	PERIPHERAL NERVES	2513
EXPERIMENTAL REGENERATION IN	PERIPHERAL NERVES AND THE SPINAL CORD IN LAB. ANIMALS EXPOSED TO A	0855
HERAPY IN CERTAIN AFFECTIONS OF THE	PERIPHERAL NERVOUS SYSTEM	3451
RADIOFREQUENCY RADIATION ON MURINE	PERIPHERAL WHITE BLOOD CELL POPULATION	2345
MICROWAVE RADIATION ALTERS	PERISTALTIC ACTIVITY OF ISOLATED SEGMENTS OF RAT GUT	2748
OF MICROWAVE RADIATION IN VITRO ON	PERITONEAL MAST CELLS OF THE RAT	2033
RADIATION IN VITRO ON CELL MEMBRANE	PERMEABILITY	1256
RYTHROCYTE POTASSIUM AND SODIUM ION	PERMEABILITY	2020
STUDIES ON BLOOD BRAIN BARRIER	PERMEABILITY AFTER MICROWAVE RADIATION	0021
MUSCLE CELL PROPERTIES AND ON WATER	PERMEABILITY AND ITS DISTRIBUTION	0874
THE MEASUREMENT OF INITIAL COMPLEX	PERMEABILITY AND PERMITTIVITY	3337
ION OF MICROWAVES AND X-RAYS ON THE	PERMEABILITY OF HISTO-HEMATIC BARRIERS	1489

COMBINATION WITH MICROWAVES ON THE	PERMEABILITY OF HISTO-HEMATIC BARRIERS	1501
CHANGES IN	PERMEABILITY OF HISTO-HEMATIC BARRIERS UNDER THE EFFECT OF MICROWA	1992
	PERMEABILITY OF THE BLOOD-BRAIN BARRIER TO MANNITOL IN THE RAT FOL	0313
	PERMEABILITY OF THE MUCOUS MEMBRANE OF THE FRONTAL SINUS UNDER THE	1302
AN EXPERIMENTAL	PERMEABILIZATION OF THE BLOOD-BRAIN BARRIER BY ELECTRIC FIELD APPL	2820
THE USA, USSR AND POLISH MICROWAVE	PERMISSIBLE EXPOSURE STANDARDS	1012
	PERMISSIBLE NONIONIZING EXPOSURE TO RF ENERGY & DEPARTMENT OF LABO	3516
STANDING WAVE METHODS FOR MEASURING	PERMITTIVITIES AT METER AND DECIMETER WACELENGTHS	3536
COMPLEX	PERMITTIVITY AND PENETRATION DEPTH OF CERTAIN BIOLOGICAL TISSUE BE	3243
COMPLEX	PERMITTIVITY AND PENETRATION DEPTH OF MUSCLE AND FAT TISSUES BETWE	1234
RE METHOD FOR MEASURING THE COMPLEX	PERMITTIVITY OF BIOLOGICAL SUBSTANCES AT MICROWAVE FREQUENCIES	0088
EW METHOD FOR MEASURING THE COMPLEX	PERMITTIVITY OF CONDUCTIVE MATERIALS AT MICROWAVE FREQUENCIES	3141
THE MEASUREMENT OF	PERMITTIVITY OF HIGH-LOSS LIQUIDS AT MICROWAVE FREQUENCIES USING A	3336
MEASUREMENT OF COMPLEX	PERMITTIVITY OF LIQUIDS AT FREQUENCIES FROM 5 TO 40 GHZ	3231
MEASUREMENT OF COMPLEX	PERMITTIVITY OF LIQUIDS AT MICROWAVE FREQUENCIES	3290
AVE SYSTEM TO DETERMINE THE COMPLEX	PERMITTIVITY OF MATERIALS TO TEMPERATURES EXCEEDING 2000 DEGREE C	3341
HNIQUE FOR DETERMINING THE RELATIVE	PERMITTIVITY OF SOLIDS AT MILLIMETRE WAVELENGTHS	3539
MEASUREMENT OF	PERMITTIVITY OF SOLUTION OF SMALL BIOLOGICAL MOLECULES AT RADIOWAV	1304
OF INITIAL COMPLEX PERMEABILITY AND	PERMITTIVITY	3337
MICROWAVE RADIATION ON HORSERADISH	PEROXIDASE	0923
EXOGENOUS	PEROXIDASE ACTIVITY IN THE SELECTIVELY HYPERTHERMIC RAT BRAIN	2532
A LIMITED EVALUATION OF CICOIL '	PERSONAL RF RADIATION HAZARD DETECTOR'	0214
CARDIAC PACEMAKER EMC IN	PERSPECTIVE	2382
CARDIAC PACEMAKER EMC IN	PERSPECTIVE (SUMMARY)	3061
A	PERSPECTIVE ON ENVIRONMENTAL HEALTH IN THE USSR	1298
XPOSURE TO MICROWAVES: PROBLEMS AND	PERSPECTIVES	1299
AVE BIOEFFECTS RESEARCH: HISTORICAL	PERSPECTIVES ON PRODUCTIVE APPROACHES	0275
AVE BIOEFFECTS RESEARCH: HISTORICAL	PERSPECTIVES ON PRODUCTIVE APPROACHES	0186
SOME	PERSPECTIVES ON RESEARCH INTO THE BIOLOGICAL RESPONSE TO NONIONIZI	0092
	PERSPECTIVES ON SATELLITE SOLAR POWER	2060
OL OF THE NEW YORK CITY HEALTH CODE	PERTAINING TO MICROWAVE OVENS	3623
	PERTURBATION EFFECT OF ANIMAL RESTRAINING MATERIALS ON MICROWAVE E	1610
CAVITY	PERTURBATION MEASUREMENT OF THE EFFECTS OF MICROWAVE RADIATION ON	2295
S OF SOLIDS AND LIQUIDS BY A CAVITY	PERTURBATION METHOD	0988
COMPLEX FREQUENCY	PERTURBATION OF A MICROWAVE CAVITY CONTAINING A LOSSY LIQUID	1802
LOW ENERGY EM	PERTURBATION OF AN ENZYME SUBSTRATE	0487
INSTRUMENTATION BASED ON FREQUENCY	PERTURBATION TECHNIQUES	2936
ODUCED BY ELECTRICAL AND MECHANICAL	PERTURBATIONS	2777
ZERO MAGNETIC FIELD CONDITIONS AND	PERTURBATIONS OF MICROWAVE FIELDS BY LIVING ORGANISMS	2431
STUDY OF THE MICROWAVE-INDUCED	PERTURBATIONS OF THE BEHAVIOUR BY THE OPEN-FIELD TEST INTO THE WHI	2159
MICROWAVES CAN KILL INSECT	PESTS	0240
	PGE-STIMULATION OF ADENYL CYCLASE IN THE BRAIN OF RATS EXPOSED TO	2412
C STORM ON THE PRODUCTION OF LAMBDA	PHAGE	0412
DEPRESSION OF	PHAGOCYTOSIS : A NON-THERMAL EFFECT OF MICROWAVES RADIATION AS A PO	2019
RADIATION IN A TRILAYERED SPHERICAL	PHANTOM	1816
OF ELECTRON DOSE DISTRIBUTION IN A	PHANTOM	2537
CONTRAST OF DOSE DISTRIBUTION IN	PHANTOM HEADS DUE TO APERTURE AND PLANE WAVE SOURCES	1097
ABSORBED DOSE RATE DISTRIBUTIONS IN	PHANTOM HEADS EXPOSED TO 2450 MHZ AND 915 MHZ PLANE WAVE AND SLOT	2671
ICROWAVE DOSE RATE DISTRIBUTIONS IN	PHANTOM HEADS IRRADIATED BY AN APERTURE SOURCE	2590
	PHANTOM LIMB PAIN TREATED BY ELECTRICAL STIMULATION	3420
INFRARED EMITTANCE OF EM	PHANTOM MATERIALS AND INFRARED TRANSMITTANCE OF POLYETHYLENE	2669
UBJECTS BY THERMOGRAPHIC STUDIES ON	PHANTOM MODELS	1153
THERMOGRAPHIC STUDIES ON EQUIVALENT	PHANTOM MODELS	2946
HIGH FREQUENCY EM FIELDS ON	PHANTOM MODELS OF MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE	1293
IN SPHEROIDAL TISSUE STRUCTURES AND	PHANTOM MODELS OF MAN EXPOSED TO HIGH FREQUENCY EM FIELDS	1740
REATMENT BY HYPERTHERMIA: INCLUDING	PHANTOM STUDIES ON LOCALIZED HYPERTHERMIA PRODUCTION AND MEASUREME	0357
MOUSE TUMORS AND TISSUE EQUIVALENT	PHANTOM SYSTEMS	1116
MONKEYS, MONKEY PHANTOMS, AND HUMAN	PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	1778
MONKEYS, MONKEY PHANTOMS, AND HUMAN	PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	2190
SURING POWER DEPOSITION PATTERNS IN	PHANTOMS EXPOSED TO EM FIELDS OF ARBITRARY POLARIZATION-- EXAMPLE,	1192
EMENTS OF POWER ABSORPTION BY HUMAN	PHANTOMS IMMERSED IN RADIO-FREQUENCY FIELDS	1100
MONKEY AND HUMAN PROLATE SPHEROIDAL	PHANTOMS IN AN IRRADIATION CHAMBER	2193
GY UPON SIZE AND ORIENTATION OF RAT	PHANTOMS IN WAVEGUIDE	2194
POWER ABSORPTION IN MONKEYS, MONKEY	PHANTOMS , AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	1778
POWER ABSORPTION IN MONKEYS, MONKEY	PHANTOMS , AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS	2190

MACHINE FOR DRYING AND STERILIZING	PHARMACEUTICAL AMPOULES BY MICROWAVES AT 2.45 GHZ	1228
RRADIATION FOLLOWING TREATMENT WITH	PHARMACOLOGIC AGENTS	1460
	PHARMACOLOGIC ANALYSIS OF MICROWAVE EFFECTS ON THE CENTRAL NERVOU	1250
	PHARMACOLOGIC EFFECTS OF A PULSED MICROWAVE FIELD	1274
WAVE FREQUENCIES USING AN UNMATCHED	PHASE CHANGER	3336
PHYSIOLOGY AND BEHAVIOR OF MONKEYS,	PHASE I: CONTINUOUS WAVE	1373
ENTIATION OF PHYSARUM POLYCEPHALUM,	PHASE I: CONTINUOUS WAVE	1753
NT, AND BEHAVIOR IN DOMESTIC BIRDS,	PHASE I: CONTINUOUS WAVE	1786
ETIC SUSCEPTIBILITY INVESTIGATION -	PHASE III	3139
AL PERSONNEL RADIATION HAZARDS FROM	PHASED-ARRAY RADARS ABOARD SHIPS	0944
ELECTROMAGNETIC MICROWAVE ENERGY TO	PHONON ENERGY	3479
N PRESERVING RNA, DNA, PROTEIN, AND	PHORBOL ESTER-INDUCED ORNITHINE DECARBOXYLASE LEVELS	2825
CONDUCTIVITY OF ALAMETICIN-MODIFIED	PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNET	0002
	PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNET	3433
ATPASE AND MITOCHONDRIAL OXIDATIVE	PHOSPHORYLATION	1080
ON ON BRAIN MITOCHONDRIAL OXIDATIVE	PHOSPHORYLATION (IN RUSSIAN)	1404
NE MONOPHOSPHORIC ACID ON OXIDATIVE	PHOSPHORYLATION IN THE LIVER DURING PROLONGED EXPOSURE TO MICROWAV	1838
A REVIEW OF	PHOTODYNAMIC THERAPY FOR HERPES SIMPLEX: BENEFITS AND POTENTIAL RI	3130
EN: I. COMPARISON OF DYE SENSITIZED	PHOTOOXIDATION AND MICROWAVE GENERATED SINGLET OXIDATION	2046
LE CONES IN DARKNESS AND DURING THE	PHOTORESPONSE	2640
CAL PAIR INTERMEDIATES IN BACTERIAL	PHOTOSYNTHESIS	2583
MAGNETIC FIELD EFFECTS IN BACTERIAL	PHOTOSYNTHESIS	0151
RIPLET STATE IN REACTION CENTERS OF	PHOTOSYNTHETIC BACTERIA	2401
N THE RECOMBINATION FLUORESCENCE OF	PHOTOSYNTHETIC BACTERIA (IN RUSSIAN)	0032
TERIO) CHLOROPHYLL EMISSION OF SOME	PHOTOSYNTHETIC BACTERIA AND OF CHLORELLA VULGARIS	0185
	PHYCHOGENIC STRESSORS ARE POTENT MEDIATORS OF THE THERMAL RESPONSE	1251
LONG TERM EFFECTS OF EM FIELDS ON	PHYSARUM POLCEPHALUM	2473
DS ON GROWTH AND DIFFERENTIATION OF	PHYSARUM POLYCEPHALUM	1030
5-75 HZ EM FIELDS ON THE SLIME MOLD	PHYSARUM POLYCEPHALUM	2182
FREQUENCY ELECTROMAGNETIC FIELDS ON	PHYSARUM POLYCEPHALUM	3147
MITOTIC DELAY IN THE SLIME MOULD	PHYSARUM POLYCEPHALUM INDUCED BY LOW INTENSITY 60 AND 75 HZ EM FIE	0907
DS ON GROWTH AND DIFFERENTIATION OF	PHYSARUM POLYCEPHALUM, PHASE I: CONTINUOUS WAVE	1753
NCE TO EVALUATE THE CHEMICAL AND/OR	PHYSICAL CHANGES IN THE LENSES OF EYES IRRADIATED BY MICROWAVES	1581
THE	PHYSICAL CHARACTERISTICS OF EM FIELD INTERACTION WITH MOLECULAR SY	2424
	PHYSICAL CHARACTERISTICS OF MICROWAVE AND OTHER RADIO FREQUENCY RA	1522
	PHYSICAL CHARACTERISTICS OF MICROWAVES AS RELATED TO BIOLOGICAL EF	1560
	PHYSICAL ENVIRONMENTAL FACTORS (MICROWAVE RADIATION AND HIGH VOLTA	2369
EFFECTS OF SOME	PHYSICAL ENVIRONMENTAL FACTORS ON INDICES OF WATER-SALT BALANCE (I	2067
	PHYSICAL EVALUATION OF PERSONNEL EXPOSED TO MICROWAVE EMANATIONS	2895
EM ENERGY IN COMBINATION WITH OTHER	PHYSICAL FACTORS	2509
BLOOD ELEMENTS UNDER THE EFFECT OF	PHYSICAL FACTORS (IN RUSSIAN)	2128
INFLUENCE OF VARIOUS	PHYSICAL FACTORS (MAGNETIC FIELDS) ON THE DEVELOPMENT OF ARTEMIA S	2143
	PHYSICAL HYPERTHERMIA AND CANCER THERAPY	0390
MICROWAVE RADIATION IN THE DEPT. OF	PHYSICAL INJURY AT THE INST. OF INDUSTRIAL MED	1922
A	PHYSICAL INVESTIGATION OF HEAT PRODUCTION IN HUMAN TISSUES WHEN EX	0465
S IN MAMMALIAN AUDITORY SYSTEMS AND	PHYSICAL MATERIALS	1072
STIMULATION, BY	PHYSICAL MEANS, OF THE DEFENSES OF THE MOUSE AND RAT AGAINST EXPER	1773
THE BIOPHYSICAL BASIS OF	PHYSICAL MEDICINE	3325
	PHYSICAL MEDICINE: DIATHERMY: MICROWAVE	3375
A NEW	PHYSICAL METHOD OF CREATING CHROMOSOMAL ABERRATIONS	0491
ON A NEW	PHYSICAL PRINCIPLE FOR SELECTIVE LOCAL HYPERTHERMIA OF TUMOR TISSU	0345
	PHYSICAL PROPERTIES OF BIOLOGICALLY ACTIVE LOW-FREQUENCY EM FIELDS	2710
	PHYSICAL PROPERTIES OF FATTY ACID METHYL ESTERS.V. DIELECTRIC CONS	3199
NON-IONIZING RADIATION: THE	PHYSICAL RELATIONSHIP BETWEEN TYPICAL SOURCES AND HUMAN TARGETS	0504
POSSIBLE	PHYSICAL SUBSTRATES FOR THE INTERACTION OF EM FIELDS WITH BIOLOGIC	1064
NEURONAL MEMBRANE: A	PHYSICAL SYNTHESIS	2611
A SUPER-HIGH FREQUENCY FIELD ON THE	PHYSICAL TRAINING OF EXPERIMENTAL ANIMALS	1869
	PHYSICAL TREATMENT METHODS IN CHRONIC DISEASES OF VEINS	0259
AIR SAFETY: ROLE OF FAMILY	PHYSICIAN	0346
	PHYSICOCHEMICAL MECHANISMS OF THE BIOLOGICAL ACTIVITY OF MICROWAVE	2807
OTHESIS. PT III: DEVELOPMENT OF THE	PHYSICS OF THE THEORY, & EXPERIMENTAL CORRELATIONS	0123
CATION OF INFORMATION THEORY TO THE	PHYSICS OF TISSUE DAMAGE	3448
A	PHYSIOCHEMICAL MECHANISM FOR MAGNETIC FIELD DETECTION BY MIGRATORY	2511
PT. FROM STATE U. OF IOWA, DEPT. OF	PHYSIOL	1464
	PHYSIOLOGIC ADJUSTMENT TO MICROWAVE EXPOSURE	2349

CERTAIN	PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF MICROWAVES	0494
ELDS AND THE ASSOCIATED THERMAL AND	PHYSIOLOGIC CONSEQUENCES	0811
	PHYSIOLOGIC EFFECTS OF CEREBRAL ELECTROTHERAPY CURRENTS	1676
	PHYSIOLOGIC EFFECTS OF DEEP HYPERTHERMIA AND MICRO- WAVE REWARMING	0203
ANALYSIS OF REPORTED	PHYSIOLOGIC EFFECTS OF MICROWAVE RADIATION	1985
MAN'S	PHYSIOLOGIC RESPONSE TO LONG-TERM WORK DURING THERMAL AND POLLUTAN	2916
EFFECTS OF EMR ON	PHYSIOLOGIC RESPONSES	0533
SHIRE PIGS TO ELECTRICAL STRESS, I.	PHYSIOLOGICAL & BIOCHEMICAL EFFECTS	0199
	PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-M	0414
	PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC LOW LEVEL MICROWAV	2165
	PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS FOLLOWING TWO LONG- TERM	2708
IC ENERGY IN BODY TISSUES. PART II.	PHYSIOLOGICAL AND CLINICAL ASPECTS	2945
A	PHYSIOLOGICAL ASSESSMENT OF THE WORK CONDITIONS IN 400-500 KV KEY	3585
	PHYSIOLOGICAL CHANGES IN ADULT RATS EXPOSED TO AN ELF ROTATING MAG	0786
THRESHOLDS FOR	PHYSIOLOGICAL EFFECTS DUE TO RF AND MAGNETIC FIELDS USED IN NMR IM	0135
	PHYSIOLOGICAL EFFECTS OF EM FIELDS IN THE ELF REGION, PART II. A R	1184
	PHYSIOLOGICAL EFFECTS OF NAACH VOLTAGES	2541
	PHYSIOLOGICAL EFFECTS OF THERMODE AND MICROWAVE STIMULATION OF PER	2513
ST EUROPEAN STUDIES RELATING TO THE	PHYSIOLOGICAL EFFECTS ON HUMANS OF NONIONIZING ELECTROMAGNETIC RAD	2907
MAGNETIC FIELDS ON SOME INDICES OF	PHYSIOLOGICAL FUNCTIONS AND METABOLIC PROCESSES IN WHITE RATS	2493
	PHYSIOLOGICAL HAZARDS OF MICROWAVE RADIATION: A SURVEY OF PUBLISHE	0940
THE ROLE OF EM FIELDS IN	PHYSIOLOGICAL PROCESSES	2564
	PHYSIOLOGICAL REGENERATION OF THE CORNEAL EPITHELIUM EXPOSED TO SU	1402
MINIMUM THRESHOLDS FOR	PHYSIOLOGICAL RESPONSES TO FLOW OF ALTERNATING ELECTRIC CURRENT TH	3017
TUNNELING IN BIOLOGICAL SYSTEMS AT	PHYSIOLOGICAL TEMPERATURES	0458
EVIDENCE OF MORPHOLOGICAL AND	PHYSIOLOGICAL TRANSFORMATION OF MAMMALIAN CELLS BY STRONG MAGNETIC	0660
NVASIVE ANALYSIS OF CELL SUSPENSION	PHYSIOLOGY AND INDUCED PATHOPHYSIOLOGY	0054
PERIPHERAL ELECTROSENSE	PHYSIOLOGY : A REVIEW OF RECENT FINDINGS	0343
EQUENCY EM FIELDS FOR WEED CONTROL:	PHYTOTOXICITY AND SELECTIVITY	2134
	PHYTOTOXICITY OF A UHF EM FIELD	1975
P-N JUNCTIONS AND THE	PIEZOELECTRIC RESPONSE OF BONE	2092
ATION I. BIRD FEATHERS AS CONVERSE	PIEZOELECTRIC TRANSDUCERS	2458
ERTIES OF BIRD FEATHERS AS CONVERSE	PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION	2218
ERTIES OF BIRD FEATHERS AS CONVERSE	PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION	2458
THE PROPERTIES OF BIRD FEATHERS AS	PIEZOELECTRIC TRANSDUCERS AND MICROWAVE RECEPTORS	2816
	PIEZOELECTRICITY AS A FUNDAMENTAL PROPERTY OF BIOLOGICAL TISSUES	2091
AN IC	PIEZORESISTIVE PRESSURE SENSOR FOR BIOMEDICAL INSTRUMENTATION	0751
ELF) EMR ON OPERANT BEHAVIOR IN THE	PIGEON AND THE RAT	1757
MAGNETS INTERFERE WITH	PIGEON HOMING	2109
OF NORMAL MAGNETIC DISTURBANCES ON	PIGEON ORENTATION	0169
SENSITIVITY OF THE HOMING	PIGEON TO AN EARTH-STRENGTH MAGNETIC FIELD	2371
CTION BY MIGRATORY BIRDS AND HOMING	PIGEONS	2511
ORIENTATION OF HOMING	PIGEONS (COLUMBIA LIVIA) EXPOSED TO EM FIELDS AT PROJECT SANGUINE'	1755
ORIENTATION OF HOMING	PIGEONS ALTERED BY A CHANGE IN THE DIRECTION OF AN APPLIED MAGNETI	1021
ORIENTATION OF HOMING	PIGEONS EXPOSED TO THE EM FIELDS AT PROJECT SANGUINE'S WISCONSIN T	1767
	PIGEONS HAVE MAGNETS	0286
RPHOLOGICAL CHANGES IN THE BRAIN OF	PIGEONS UNDER THE ACTION OF A CONSTANT MAGNETIC FIELD	1308
ERVOUS SYSTEM OF RABBITS AND GUINEA	PIGS	1492
PRELIMINARY OBSERVATIONS OF GUINEA	PIGS	2662
THE BLOOD FORMING SYSTEM OF GUINEA	PIGS AND RABBITS	0622
HE CELLS OF CORTI'S ORGAN IN GUINEA	PIGS FOLLOWING LONG-TERM EXPOSURE TO MICROWAVES (IN POLISH)	1901
S IN THE PERIPHERAL BLOOD OF GUINEA	PIGS INDUCED BY A THREE CENTIMETER EM FIELD	1488
IBLE AND STRESS-RESISTANT HAMPSHIRE	PIGS TO ELECTRICAL STRESS, I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS	0199
IBLE AND STRESS-RESISTANT HAMPSHIRE	PIGS TO ELECTRICAL STRESS, II. EFFECTS ON BLOOD CELLS AND BLOOD MI	0144
	PILOT ECOLOGICAL FIELD SURVEYS	1750
INE BIOLOGICAL EFFECTS TEST PROGRAM	PILOT STUDIES	1760
INE BIOLOGICAL EFFECTS TEST PROGRAM	PILOT STUDIES	3279
LDS ON THREE GENERATIONS OF MICE: A	PILOT STUDY	0674
A	PILOT STUDY OF THE INTERACTION OF EXTREMELY LOW FREQUENCY EM FIELD	0799
PERFORMANCE OF CARDIAC PACEMAKERS (	PILOT STUDY) NOVEMBER 1972	3553
	PILOT SURVEY OF SMALL MAMMAL POPULATIONS IN THE CHEQUAMEGON NATION	1751
S AND SIMULTANEOUS RESECTION OF THE	PINEAL GLAND (IN FRENCH)	2855
OF ULTRASONIC THERAPY EQUIPMENT IN	PINELLAS COUNTY, FLA	0638
URVEY OF DIATHERMY EQUIPMENT USE IN	PINELLAS COUNTY, FLORIDA	3097
F GONADOTROPIC ACTIVITY IN ANTERIOR	PITUITARY GLAND OF RATS	2176

INIZING HORMONE RELEASING FACTOR IN	PITUITARY STALK BLOOD FROM FEMALE RATS: SEX STEROID MODULATION OF	0635
OF MICROWAVES ON THE HYPOTHALAMIC/	PITUITARY /THYROID AXIS	1374
F MICROWAVE RADIATION (2MHZ) ON THE	PITUTITARY-TESTICULAR AXIS IN THE WHITE RAT	3400
MORPHOLOGICAL CHANGES OF THE	PLACENTA UNDER THE INFLUENCE OF SHORTWAVE IRRADIATION: EXPERIMENTA	0541
RED MICROWAVE FIELDS NEAR A FINITE,	PLANAR , DIELECTRIC SLAB	2720
LINEARLY POLARIZED ELECTROMAGNETIC	PLANE AND A DOUBLE SPHERICAL SHELL	3088
RADIO PROPAGATION OVER	PLANE EARTH-FIELD STRENGTH CURVES	3493
TRANSMISSION THROUGH INHOMOGENEOUS	PLANE LAYERS	3356
ANIAL STRUCTURE IRRADIATED BY AN EM	PLANE WAVE	0717
HERES DUE TO MEASURED SPECTRA OF EM	PLANE WAVE	1028
MEASURED SPECTRA OF ELECTROMAGNETIC	PLANE WAVE	3601
LINEARLY POLARIZED ELECTROMAGNETIC	PLANE WAVE AND A DOUBLE SPHERICAL SHELL	3551
ERACTION BETWEEN AN ELECTROMAGNETIC	PLANE WAVE AND A SPHERICAL SHELL	2959
ADS EXPOSED TO 2450 MHZ AND 915 MHZ	PLANE WAVE AND SLOT SOURCES	2671
MPLEX IRREGULAR GEOMETRY EXPOSED TO	PLANE WAVE EMR	2670
LONG-WAVELENGTH ANALYSIS OF	PLANE WAVE IRRADIATION OF A PROLATE SPHEROID MODEL OF MAN	1174
LONG-WAVELENGTH ANALYSIS OF	PLANE WAVE IRRADIATION OF AN ELLIPSOIDAL MODEL OF MAN	1611
LAYERED TISSUE CYLINDERS EXPOSED TO	PLANE WAVE SOURCES	0851
N PHANTOM HEADS DUE TO APERTURE AND	PLANE WAVE SOURCES	1097
REGULAR CROSS SECTION IRRADIATED BY	PLANE WAVE SOURCES	1122
PROPAGATION OF	PLANE WAVES THROUGH TWO PARALLEL DIELECTRIC SHEETS	3550
HRONIC EXPOSURE OF SMALL ANIMALS TO	PLANE-WAVE MICROWAVE FIELDS	0420
PRECISE CALIBRATION OF	PLANE-WAVE MICROWAVE POWER DENSITY USING POWER EQUATION TECHNIQUES	0057
ADIATION OF MAN MODEL NEAR A GROUND	PLANE	0242
APPROXIMATE CALCULATION OF SAR FOR	PLANEWAVE IRRADIATION OF MAN MODEL NEAR A GROUND PLANE	0242
OF ISOLATED GANGLIA IN THE MOLLUSK /	PLANORBIS CORNEUS/ UNDER THE INFLUENCE OF A UHF EM FIELD	1500
ISCUSSION OF LONG-RANGE DEVELOPMENT	PLANS IN THE AIR FORCE	1561
SENSITIVITY OF SOME	PLANT MATERIAL TO MAGNETIC FIELDS	1900
MENT BY MICROWAVE ENERGY TO DESTROY	PLANT PATHOGENS	3471
MICROWAVE IRRADIATION OF	PLANT ROOTS IN SOIL	1785
USE OF MICROWAVE RADIATION TO STUDY	PLANT-ENVIRONMENT INTERACTIONS	1803
MAGNETOTROPISM: A NEW	PLANT-GROWTH RESPONSE	2094
TOCOCCUS FAECALIS AND LACTOBACILLUS	PLANTARUM IN MEAT TISSUE	2693
HAZARDS FROM ELECTRICITY-PRODUCING	PLANTS	1799
DS ON THE GROWTH AND DEVELOPMENT OF	PLANTS	2833
DS ON THE GROWTH AND DEVELOPMENT OF	PLANTS AND ANIMALS	2791
RESPONSE OF	PLANTS AND SOIL MICROORGANISMS TO EXTREMELY LOW FREQUENCY ELECTRIC	1761
AN ECOLOGICAL SURVEY OF	PLANTS EXPOSED TO ELF EM FIELDS	1772
CIRCADIAN RHYTHMS IN	PLANTS , INSECTS AND MAMMALS EXPOSED TO ELF MAGNETIC AND/OR ELECTRI	1781
AND CONTROLLING VIRUS INFECTIONS OF	PLANTS	3238
N THE ABSORPTION OF MICROWAVES BY A	PLASMA	0949
CTS ON TRACE METAL CONTENT OF BLOOD	PLASMA AND LIVER CELL FRACTIONS OF RODENTS	1079
	PLASMA EFFECTS IN SEMICONDUCTORS AND BIOLOGICAL EFFECT OF RADIOWAV	0478
	PLASMA IMPEDANCE ELEMENT IN AN ACTIVE FABROY-PEROT MICROWAVE RESON	3308
EFFECT OF MICROWAVES ON STEROIDS	PLASMA LEVELS IN MALE RATS	2788
ION AND CONSTANT MAGNETIC FIELDS IN	PLASMA STUDY DEVICES	1340
ACCELERATED DRYING OF	PLASTER CASTS WITH A MICROWAVE OVEN	2849
DUSTRIAL RADIO-FREQUENCY (6-38 MHZ)	PLASTIC SEALERS	0402
LATED ELECTRICAL STIMULATION ON THE	PLASTICITY OF ARTIFICIALLY EVOKED MOVEMENTS	2861
NONDESTRUCTIVE TESTING OF	PLASTICS WITH MICROWAVES	3289
RUCTION AND CALIBRATION OF PARELLEL	PLATE TRANSMISSION LINE FOR ELECTROMAGNETIC INTERFERENCE SUSCEPTIB	3513
INFLUENCE OF ELECTRIC POTENTIALS ON	PLATED BONES	2772
ETIC FIELDS AND THE NUMBER OF BLOOD	PLATELETS	2096
COAGULATION PROPERTIES OF	PLATELETS IN CONSTANT MAGNETIC FIELD	0090
MULATION OF THE NERVOUS SYSTEM WITH	PLATINUM ELECTRODES	1907
	PLENARY SESSION IV SUMMARY 'THE LAST, LAST WORD'	0299
STREPTOMYCIN RESORPTION FROM THE	PLEURA UNDER THE EFFECT OF INDUCTOTHERMY CURRENTS (IN UKRAINIAN)	2599
	POINT ELECTROANESTHESIA (GENERAL ELECTROPHARMACEUTICAL ANESTHESIA	1224
EQUENCY IMPULSE GENERATORS FROM THE	POINT OF VIEW OF WORK HYGIENE	3441
HIELDED ROOM WITH A SUPERCONDUCTING	POINT-CONTACT MAGNETOMETER	2103
TIFICATION ON MICROWAVE DISEASE (IN	POL)	0324
	POLAR FREQUENCY DISCRIMINATORS	1722
HE MOLECULAR DIELECTRIC ANALYSIS OF	POLAR LIQUIDS (I)	2282
HOPPING LOSSES IN	POLARISABLE DIELECTRIC MEDIA	0750
	POLARIZATION AND FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF R	0780

DENCE OF WHOLE ANIMAL ABSORPTION ON	POLARIZATION AND FREQUENCY OF RADIO-FREQUENCY ENERGY	1104
FREQUENCY AND	POLARIZATION EFFECTS ON WHOLE ANIMAL ABSORPTION OF RF ENERGY	3556
INVESTIGATION OF FLUORESCENCE	POLARIZATION OF CHLORELLA CELLS AND PEA CHLOROPLASTS ORIENTED IN A	0197
	POLARIZATION OF FUCOID EGGS BY STEADY ELECTRICAL FIELDS	0643
ERACTION OF MICROWAVE FREQUENCY AND	POLARIZATION WITH ANIMAL SIZE	2196
S EXPOSED TO EM FIELDS OF ARBITRARY	POLARIZATION-- EXAMPLE, THE MICROWAVE OVEN	1192
SIGNAL	POLARIZATIONS IN THE VHF AND UHF BROADCAST SPECTRUM	1718
IGN AND PERFORMANCE OF A CIRCULARLY	POLARIZED DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY	2456
INTERACTION BETWEEN A LINEARLY	POLARIZED ELECTROMAGNETIC PLANE AND A DOUBLE SPHERICAL SHELL	3088
INTERACTION BETWEEN A LINEARLY	POLARIZED ELECTROMAGNETIC PLANE WAVE AND A DOUBLE SPHERICAL SHELL	3551
RM EFFECTS OF EM FIELDS ON PHYSARUM	POLCEPHALUM	2473
ECTOR, OFFICE OF TELECOMMUNICATIONS	POLICY	3000
EPA ENERGY	POLICY COMMITTEE REPORT--PROPOSED WORK SCOPE AND PROCEDURES - EPAE	3052
MICROWAVE POWER EQUIPMENT--AN IMPI	POLICY STATEMENT	1653
O LONG-TERM WORK DURING THERMAL AND	POLLUTANT STRESS	2916
ON OF LINE INSULATION IN NORMAL AND	POLLUTED CONDITIONS	3591
POWER WITHOUT	POLLUTION	2932
POWER LINE	POLLUTION' - A HOT ISSUE	3564
	POLLUTION BY ELECTRICAL TRANSMISSION--THE ENVIRONMENTAL IMPACT OF	0668
	POLLUTION CAUSED BY HIGH FREQUENCY EM FIELDS (IN ITALIAN)	2396
GRAM FOR CONTROL OF ELECTROMAGNETIC	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	0212
REPT. ON 'PROGRAM FOR CONTROL OF EM	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	0767
REPT. ON 'PROGRAM FOR CONTROL OF EM	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	0768
REPT. ON 'PROGRAM FOR CONTROL OF EM	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	0769
REPT. ON 'PROGRAM FOR CONTROL OF EM	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	0770
GRAM FOR CONTROL OF ELECTROMAGNETIC	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	2972
GRAM FOR CONTROL OF ELECTROMAGNETIC	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	3023
GRAM FOR CONTROL OF ELECTROMAGNETIC	POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS	3089
PROLIFERATION OF EM	POLLUTION OR LOOK WHAT WE'RE DOING TO OURSELVES!	1743
ELECTROMAGNETIC	POLLUTION : IS IT HURTING OUR HEALTH?	2612
WTH AND DIFFERENTIATION OF PHYSARUM	POLYCEPHALUM	1030
M FIELDS ON THE SLIME MOLD PHYSARUM	POLYCEPHALUM	2182
ELECTROMAGNETIC FIELDS ON PHYSARUM	POLYCEPHALUM	3147
C DELAY IN THE SLIME MOULD PHYSARUM	POLYCEPHALUM INDUCED BY LOW INTENSITY 60 AND 75 HZ EM FIELDS	0907
WTH AND DIFFERENTIATION OF PHYSARUM	POLYCEPHALUM , PHASE I: CONTINUOUS WAVE	1753
RIALS AND INFRARED TRANSMITTANCE OF	POLYETHYLENE	2669
UNIFORM	POLYMER DISTRIBUTION IN PAPERS SATURATED WITH POLYMER SOLUTIONS VI	0723
STRIBUTION IN PAPERS SATURATED WITH	POLYMER SOLUTIONS VIA MICROWAVE POWER	0723
AVE HYPERTHERMIA, POLYRIBOINOSINIC-	POLYRIBOCYTIDYLIC , AND MOUSE INTERFERON	0053
IN MICE BY MICROWAVE HYPERTHERMIA,	POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTERFERON	0053
TUDY OF HEAD AND NECK EXPOSURE FROM	POLYTOMOGRAPHY	0632
GIANT NEURONS OF THE MOLLUSK HELIX	POMATIA (IN RUSSIAN)	2581
ND ULTRAHIGH FREQUENCIES IN DENSELY	POPULATED AREAS	0889
AVE RANGE EM FIELD IN CONDITIONS OF	POPULATED AREAS	1509
FREQUENCY ELECTROMAGNETIC FIELDS IN	POPULATED AREAS	2943
MURINE PERIPHERAL WHITE BLOOD CELL	POPULATION	2345
S TO GEOGRAPHIC DISTRIBUTION OF THE	POPULATION	3521
THE USE OF AN AUTOMATED	POPULATION DATA BASE IN POPULATION EXPOSURE CALCULATIONS	1196
SOIL MICROORGANISM	POPULATION DYNAMICS IN WEAK ELF EM FIELDS	1771
N AUTOMATED POPULATION DATA BASE IN	POPULATION EXPOSURE CALCULATIONS	1196
	POPULATION EXPOSURE TO VHF AND UHF BROADCAST RADIATION IN THE UNIT	0104
FICATION OF POTENTIALLY SUSCEPTIBLE	POPULATION GROUPS	3557
QUANTITATIVE CHRONIC EXPOSURE OF A	POPULATION OF RODENTS TO UHF FIELDS	1693
THE DISTRIBUTION OF THE	POPULATION OF THE CONTINENTAL UNITED STATES, CANADA AND MEXICO WIT	3498
AL MUTAGENICITY DATA IN RELATION TO	POPULATION RISK	3085
THE	POPULATION WITHIN VARIOUS DISTANCES OF SELECTED RADIO AND TELEVISI	3497
CT ON FIVE NATURALLY EXPOSED ANIMAL	POPULATIONS	1765
METABOLIC RATES IN FIVE ANIMAL	POPULATIONS AFTER LONG-TERM EXPOSURE TO SANGUINE/SEAFARER ELF EM F	1647
METABOLIC RATES IN FIVE ANIMAL	POPULATIONS AFTER PROLONGED EXPOSURE TO WEAK EXTREMELY LOW FREQUEN	1108
PILOT SURVEY OF SMALL MAMMAL	POPULATIONS IN THE CHEQUAMEGON NATIONAL FOREST DURING 1971 AND 197	1751
RESPIRATORY QUOTIENT IN FIVE ANIMAL	POPULATIONS NATURALLY EXPOSED TO SANGUINE EM FIELDS	1390
RESPIRATORY QUOTIENT IN FIVE ANIMAL	POPULATIONS NATURALLY EXPOSED TO SANGUINE EM FIELDS	1763
PROJECT SANGUINE: MONITORING	POPULATIONS OF SOIL ANIMALS AT THE WISCONSIN TEST FACILITY	2276
FORMATION AND RESEALING OF	PORES OF CONTROLLED SIZES IN HUMAN ERYTHROCYTE MEMBRANE	2297
EFFECTS OF PRE-AND	POST-NATAL EXPOSURES TO 918 MHZ MICROWAVE RADIATION ON DEVELOPMENT	2700

-I. EFFECT OF MOISTURE CONTENT AND	POST-RADIATION HYDRATION	1961
THE EFFECT OF	POST-RADIATION HYPERTHERMIA ON HUMAN SKIN AND TUMOR RESPONSE	2341
	POST-SURGICAL MEASURES AND COMPARATIVE CLINICAL ANALYSIS OF ORAL T	2339
IMPULSE ACTIVITY OF NEURONS OF THE	POSTERIOR SECTION OF THE HYPOTHALAMUS UNDER THE INFLUENCE OF MICRO	0230
THE	POSTEROMEDIAL HYPOTHALAMUS AND PAIN, BEHAVIOR, WITH SPECIAL REFERE	3419
NG INTRAVITAL CHARACTER AND TIME OF	POSTMORTEM INJURY OF TISSUES AND ORGANS BY SUPERHIGH RADIOFREQUENC	2074
STUDIES CONCERNING THE	POSTNATAL EFFECTS OF PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAV	2864
RICAL STIMULATION IN THE CONTROL OF	POSTOPERATIVE PAIN	1926
REDUCTION OF DENTAL	POSTSURGICAL SYMPTOMS USING NONTHERMAL PULSED HIGH-PEAK-POWER EM E	1810
NIC WARFARE TO THE NATIONAL DEFENSE	POSTURE	1887
EFFECT OF MICROWAVES ON ERYTHROCYTE	POTASSIUM AND SODIUM ION PERMEABILITY	2020
RELATIVE CATARACTOGENIC	POTENCIES OF TWO MICROWAVE FREQUENCIES (2.45 AND 10 GHZ)	2157
ELECTRONIC SMOG AS A	POTENTIATING FACTOR IN CARDIOVASCULAR DISEASE: A HYPOTHESIS OF MIC	1636
OCAL HYPERTHERMIA OF TUMORS AND ITS	POTENTIATION BY IMMUNOSTIMULATION- A REVIEW	0340
LONG LASTING SYNAPTIC	POTENTIATION IN THE RAT DENTATE GYRUS FOLLOWING BRIEF HIGH FREQUEN	2857
DESTRUCTION OF SALMONELLAE ON	POULTRY MEAT WITH LYSOZYME, EDTA, X-RAY, MICROWAVE AND CHLORINE	1324
ITH POLYMER SOLUTIONS VIA MICROWAVE	POWER	0723
MENTAL ABSORPTION OF RADIOFREQUENCY	POWER	0742
OR OF DANGEROUS LEVELS OF MICROWAVE	POWER	0800
THE BRAIN--QUANTITATION OF ABSORBED	POWER	1334
ENTAL ABSORPTION OF RADIO FREQUENCY	POWER	1684
PERSPECTIVES ON SATELLITE SOLAR	POWER	2060
THE POTENTIAL OF SATELLITE SOLAR	POWER	2695
THEORETICAL CALCULATIONS OF	POWER ABSORBED BY MONKEY AND HUMAN PROLATE SPHEROIDAL PHANTOMS IN	2193
MEASUREMENT OF	POWER ABSORBED IN THE TISSUES OF MAN AND ANIMALS EXPOSED TO EM FIE	2840
MEASUREMENTS OF	POWER ABSORPTION BY HUMAN PHANTOMS IMMERSED IN RADIO-FREQUENCY FIE	1100
LONG-WAVELENGTH ANALYSIS OF EM	POWER ABSORPTION BY PROLATE SPHEROIDAL AND ELLIPSOIDAL MODELS OF M	1604
THERMOGRAPHIC MEASUREMENT OF	POWER ABSORPTION DENSITIES IN SPHEROIDAL TISSUE STRUCTURES AND PHA	1740
EM	POWER ABSORPTION IN ANISOTROPIC TISSUE MEDIA	1306
ELECTROMAGNETIC	POWER ABSORPTION IN CYLINDRICAL TISSUE MODELS EXCITED BY A LOOP AN	0204
LONG-WAVELENGTH EM	POWER ABSORPTION IN ELLIPSOIDAL MODELS OF MAN AND ANIMALS	1612
DETERMINATION OF	POWER ABSORPTION IN MAN EXPOSED TO HIGH FREQUENCY EM FIELDS BY THE	1246
MEASUREMENT OF RADIOFREQUENCY	POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS E	1778
MEASUREMENT OF RADIOFREQUENCY	POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS E	2190
LONG-WAVELENGTH EM	POWER ABSORPTION IN PROLATE SPHEROIDAL MODELS OF MAN AND ANIMALS	1305
BEHAVIORAL EFFECTS OF RESONANT EM	POWER ABSORPTION IN RATS	2166
URE PROBE FOR THE MEASUREMENT OF EM	POWER ABSORPTION IN TISSUE	1749
ND WITCHCRAFT IN RF MEASUREMENTS OR	POWER ABSORPTION MEASUREMENTS IN HF FIELDS	2400
BONNEVILLE	POWER ADMINISTRATION'S PROTOTYPE 1100/1200 KV TRANSMISSION LINE PR	3170
PROBE FOR ABSORBED RADIO-FREQUENCY	POWER AND TEMPERATURE MEASUREMENT IN TISSUE DURING IRRADIATION	1103
ELECTRIC	POWER AND THE ENVIRONMENT	3275
MICROWAVE	POWER APPLICATIONS IN THE WORLD: PRESENT AND FUTURE	0372
A MICROWAVE	POWER CONTROLLER FOR A RADIATION BIO-EFFECTS EXPOSURE FACILITY	3384
UENCE BIOLOGICAL EFFECTS AT VARIOUS	POWER DENSITIES	2137
F RATS EXPOSED TO MICROWAVES AT LOW	POWER DENSITIES	2764
OF HYPERFREQUENCY RADIATION OF LOW	POWER DENSITIES (IN FRENCH)	2631
INSTRUMENTATION FOR THE MEAS OF RF	POWER DENSITIES ASSOCIATED WITH RADIATION HAZARDS	3305
F RATS EXPOSED TO MICROWAVES OF LOW	POWER DENSITY	1141
: MULTIPLE ANIMAL EXPOSURE AT EQUAL	POWER DENSITY	1617
CIRCULAR-APERTURE AXIAL	POWER DENSITY	3182
MICROWAVE	POWER DENSITY ABSORPTION IN A SPHERICAL MULTILAYERED MODEL OF THE	2198
PRECISE MICROWAVE	POWER DENSITY CALIBRATION METHOD USING THE POWER EQUATION TECHNIQU	3625
MEASUREMENT OF	POWER DENSITY FROM MARINE RADAR	0757
	POWER DENSITY IN NEAR FIELD OF SMALL LINEAR ANTENNAS	1642
INDUCED EM FIELD AND ABSORBED	POWER DENSITY INSIDE A HUMAN TORSO	1795
INDUCED EM FIELD AND ABSORBED	POWER DENSITY INSIDE HUMAN TORSOS BY 1 TO 500 MHZ EM WAVES	1608
TRUMENT AVERAGING TIME ON MICROWAVE	POWER DENSITY MEASUREMENTS	0614
-BAND ISOTROPIC PROBE FOR MICROWAVE	POWER DENSITY MEASUREMENTS	2437
	POWER DENSITY MEASUREMENTS IN THE NEAR FIELDS	1149
TRUMENT AVERAGING TIME ON MICROWAVE	POWER DENSITY MEASUREMENTS, BRH/DEP 70-12	3031
LOPMENT OF LIQUID CRYSTAL MICROWAVE	POWER DENSITY METER	2850
LOPMENT OF LIQUID CRYSTAL MICROWAVE	POWER DENSITY METER	3358
OWAVE ANTENNAS + FIELD STRENGTH AND	POWER DENSITY METERS	3298
A MULTIPLE-ANIMAL ARRAY FOR EQUAL	POWER DENSITY MICROWAVE IRRADIATION	2127
IN THE BRAIN OF RATS EXPOSED TO LOW	POWER DENSITY MICROWAVE RADIATION	2412

THE EFFECTS OF LOW	POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES	0220
A COMMERCIAL THERMOCOUPLE MICROWAVE	POWER DENSITY PROBE	0589
PROBE FOR MEASUREMENT OF MICROWAVE	POWER DENSITY UNDER FAR-FIELD CONDITIONS	1102
CALIBRATION OF PLANE-WAVE MICROWAVE	POWER DENSITY USING POWER EQUATION TECHNIQUES	0057
	POWER DENSITY ZONES IN THE VICINITY OF RADAR ANTENNAS	2790
N AUDITORY SYSTEM RESPONSE TO LOWER	POWER DENSITY, PULSE MODULATED, EM ENERGY: A SEARCH FOR MECHANISMS	1135
	POWER DEPOSITION IN A SPHERICAL MODEL OF MAN EXPOSED TO 1-20-MHZ E	1700
ULATING INDUCED INTERNAL FIELDS AND	POWER DEPOSITION IN BIOLOGICAL MEDIA OF COMPLEX IRREGULAR GEOMETRY	2670
NUMERICAL STUDY OF EM	POWER DEPOSITION IN BIOLOGICAL TISSUE BODIES	2192
ELECTROMAGNETIC FIELDS AND	POWER DEPOSITION IN BODY- OF-REVOLUTION MODELS OF MAN	0097
CONDITIONS OF STRONGEST EM	POWER DEPOSITION IN MAN AND ANIMALS	1389
EM	POWER DEPOSITION IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE A	0811
RESONANT ELECTROMAGNETIC	POWER DEPOSITION IN MAN WITH AND WITHOUT GROUND EFFECTS	3618
EM	POWER DEPOSITION IN PROLATE SPHEROID MODELS OF MAN AND ANIMALS AT	2785
A NEW TECHNIQUE FOR MEASURING	POWER DEPOSITION PATTERNS IN PHANTOMS EXPOSED TO EM FIELDS OF ARBI	1192
AGE CONTROL OF INDUSTRIAL MICROWAVE	POWER DEVICES	0788
P-TYPE SPARK DISCHARGES ON ELECTRIC	POWER DISTRIBUTION LINES	3181
-WAVE MICROWAVE POWER DENSITY USING	POWER EQUATION TECHNIQUES	0057
ENSITY CALIBRATION METHOD USING THE	POWER EQUATION TECHNIQUES	3625
ICROWAVE HAZARDS IN USING MICROWAVE	POWER EQUIPMENT--AN IMPI POLICY STATEMENT	1653
MAXIMUM FLUX DENSITY OF THE	POWER FROM A BROADCAST SATELLITE IN THE 620-790 MHZ FREQUENCY BAND	2323
SOLAR	POWER FROM SATELLITES	0575
SOLAR POWER STATION: AN OPTION FOR	POWER GENERATION	2951
SEARCH ON THE EFFECTS OF ELECTRICAL	POWER INDUSTRY FIELDS ON MAN	1889
RATE UNDER THE ACTION OF EM WAVES:	POWER LEVEL INFLUENCE	1129
THE BIOLOGICAL SIGNIFICANCE OF	POWER LINE AND HIGH VOLTAGE SWITCHYARD ENVIRONMENTS	3171
	POWER LINE NOISE SURVEY	3019
	POWER LINE POLLUTION - A HOT ISSUE	3564
ON HOW TO BEHAVE NEAR HIGH VOLTAGE	POWER LINES	3566
HIGH-VOLTAGE	POWER LINES AND HUMAN HEALTH	0030
A WIDE RANGE CW	POWER MEASUREMENT TECHNIQUE	3302
PROBLEMS OF	POWER MEASUREMENT USING NON-SQUARE-LAW DETECTORS, (FDA) 72-8004, B	3042
RADIO FREQUENCY	POWER MEASUREMENTS	3296
A REVIEW OF IN-LINE RF	POWER METERS FOR USE WITH ULTRASONIC INSTRUMENTATION, (FDA) 73-803	3044
IAL POWER MONITOR FOR USE WITH HIGH	POWER MICROWAVE GENERATORS, (FDA) 73-8010, BRH/DEP 73-1	3039
GICAL FUNCTION AS INFLUENCED BY LOW	POWER MODULATED RF ENERGY	0593
A MINIATURE PORTABLE MICROWAVE	POWER MONITOR	1146
CALIBRATION METHOD FOR A COMMERCIAL	POWER MONITOR FOR USE WITH HIGH POWER MICROWAVE GENERATORS, (FDA)	3039
THERMOCOUPLE	POWER MONITORS	1721
CE BY RATS OF ILLUMINATION WITH LOW	POWER NONIONIZING EM ENERGY	0914
TERATOGENIC	POWER OF SHF FIELDS. FURTHER EXPERIMENTS ON TENEBRIO MOLITOR COLE	2408
	POWER OVER PEOPLE	3122
MEASUREMENT OF ABSORBED	POWER PATTERNS IN THE HEAD AND EYES OF RABBITS EXPOSED TO TYPICAL	1864
PTIC RF PROBES, PART 2: A MICROWAVE	POWER PROBE	1724
HIGH	POWER PULSE TRANSMITTERS	0825
THE EFFECTS OF HIGH	POWER PULSED AND LOW LEVEL CW MICROWAVE RADIATION ON AN OPERANT BE	1310
XPOSURE OF RODENTS TO 10 TO THE 8TH	POWER PULSES OF EMR	0826
RODENTS EXPOSED TO 10 TO THE EIGHTH	POWER PULSES OF EMR	2469
LOW	POWER RADIO-FREQUENCY AND MICROWAVE EFFECTS ON HUMAN ELECTROENCEPH	0132
THE RECEIVING ANTENNA AND MICROWAVE	POWER RECTIFICATION	2934
AND ECOLOGICAL EFFECTS OF THE SOLAR	POWER SATELLITE TRANSMISSION SYSTEM	0113
SOLAR	POWER SATELLITES: MICROWAVES DELIVER THE POWER	0134
ERS DEVELOP NEW SUB-MILLIMETER-WAVE	POWER SOURCE	1661
LS OF MICROWAVE RADIATION FROM HIGH	POWER SOURCES	1422
TRIAL RADIOFREQUENCY (15-40.68 MHZ)	POWER SOURCES	2210
LS OF MICROWAVE RADIATION FROM HIGH	POWER SOURCES	3251
TRANSMISSION FROM AN ORBITING SOLAR	POWER STATION	2933
THE VICINITY OF SHIPPINGPORT ATOMIC	POWER STATION. EPA-520/5-73-005	3063
SATELLITE SOLAR	POWER STATION: AN OPTION FOR POWER GENERATION	2951
ANTENNA AND	POWER STATISTICS: TELEVISION STATIONS IN THE U.S.	3152
INDUCTION THERMOCOAGULATION--A SEED	POWER STUDY	1712
OF ELECTROMAGNETIC PULSE (EMP) ON A	POWER SYSTEM	3074
	POWER SYSTEM DISTURBANCES DURING A K-8 GEOMAGNETIC STORM: AUGUST	3107
NETIC FIELDS PRODUCED BY COMMERCIAL	POWER SYSTEMS	1665
ECTS OF ELECTRIC FIELDS ON ELECTRIC	POWER SYSTEMS	3156

TIME AND	POWER THRESHOLDS FOR THE PRODUCTION OF LENS OPACITIES BY 12.3 CM	0664
WAVE) EMR ASSOCIATED WITH ELECTRIC	POWER TRANSMISSIO:	1195
ELATED SIDE EFFECTS OF HIGH VOLTAGE	POWER TRANSMISSION	3111
UNDERGROUND	POWER TRANSMISSION	3280
MAN THRESHOLDS OF ELECTRIC SHOCK AT	POWER TRANSMISSION FREQUENCIES	2022
MICROWAVE	POWER TRANSMISSION FROM AN ORBITING SOLAR POWER STATION	2933
CEEDINGS OF THE SYMPOSIUM ON EHV AC	POWER TRANSMISSION HELD BY THE JOINT AMERICAN-SOVIET COMMITTEE ON	3155
ELD STRENGTH NEAR A 765 KV OVERHEAD	POWER TRANSMISSION LINE	3558
ELECTRIC FIELDS UNDER EHV OVERHEAD	POWER TRANSMISSION LINES	2609
ND MAGNETIC FLUX UNDER EHV OVERHEAD	POWER TRANSMISSION LINES	0166
ER CONSIDERED IN DESIGNING ELECTRIC	POWER TRANSMISSION OF 750-1150 KV: THE MEASURING METHODS, THE DESI	3587
THE EFFECTS OF ELECTRICAL	POWER TRANSMISSION RIGHTS- OF-WAY ON SMALL MAMMAL DISTRIBUTION, DI	0184
VARIOUS TYPES OF EQUIPMENT ON THESE	POWER TRANSMISSIONS	3588
GE PROTECTION OF EXTRA HIGH VOLTAGE	POWER TRANSMISSIONS	3589
MAPPING OF MICROWAVE	POWER TRANSMITTED THROUGH THE HUMAN THORAX	0290
G FROM EMR IN THE VICINITY OF HIGH-	POWER TRANSMITTERS (IN GERMAN)	2712
OF RF BIOLOGICAL HAZARDS FROM HIGH	POWER TRANSMITTERS OPERATING IN THE HF BAND (SUMMARY)	3059
LATED FIELD INTENSITIES NEAR A HIGH	POWER UHF BROADCAST INSTALLATION	0754
	POWER VARIATIONS IN MICROWAVE EXPOSURE RESULTING FROM DIFFERENT SO	1221
	POWER WITHOUT POLLUTION	2932
DY RADIATION HAZARDS CAUSED BY HIGH	POWER , HIGH FREQUENCY FIELDS	2979
DY RADIATION HAZARDS CAUSED BY HIGH	POWER , HIGH FREQUENCY FIELDS, VOL. 1	1424
DY RADIATION HAZARDS CAUSED BY HIGH	POWER , HIGH FREQUENCY FIELDS, VOL. 1	3519
DY RADIATION HAZARDS CAUSED BY HIGH	POWER , HIGH FREQUENCY FIELDS, VOL. 2	1425
ADVANCES IN THE USE OF MICROWAVE	POWER , SEMINAR PAPER NO. 008	3045
MEASUREMENT OF RF	POWER-ABSORPTION IN BIOLOGICAL SPECIMENS (10 TO 100 MHZ)	1709
NERAL DIRECTION OF 750-1500 KV A.C.	POWER-TRANSMISSION DEVELOPMENT AND UTILIZATION OF VARIOUS TYPES OF	3588
C CURRENT THROUGH THE HUMAN BODY AT	POWER-TRANSMISSION FREQUENCIES	3017
SATELLITES: MICROWAVES DELIVER THE	POWER	0134
NTROL OF GRAIN INSECTS BY MICROWAVE	POWER	3066
MENTS IN PROXIMITY TO MAN AND THEIR	PRACTICAL APPLICATION	1098
T I: THEORETICAL CONSIDERATIONS AND	PRACTICAL ASPECTS	0796
OUS EM FIELDS: SCIENTIFIC BASIS AND	PRACTICAL CONSIDERATIONS	0501
TIFYING HAZARDOUS MICROWAVE FIELDS:	PRACTICAL CONSIDERATIONS	1546
	PRACTICAL EXPERIENCE WITH INTERFERENCE-CURRENT THERAPY OF MEN WITH	0018
RECOMMENDED	PRACTICE FOR MEASUREMENT OF FIELD INTENSITY ABOVE 300 MC FROM RADI	3518
THE	PRACTICE OF MICROWAVE RADIATION SAFETY	1152
: THE MEASURING METHODS, THE DESIGN	PRACTICES AND DIRECTION OF FURTHER RESEARCH	3587
IRECT AND INDIRECT HAZARDS, AND THE	PRECAUTIONS	2140
RECOMMENDED RADIATION SAFETY	PRECAUTIONS FOR AIRBORNE WEATHER RADAR	3071
	PRECISE CALIBRATION OF PLANE-WAVE MICROWAVE POWER DENSITY USING PO	0057
	PRECISE MICROWAVE POWER DENSITY CALIBRATION METHOD USING THE POWER	3625
MEASUREMENT OF SMALL REFLECTIONS IN	PRECISION COAXIAL TRANSMISSION LINES	3346
ELECTRICAL PARAMETERS OF	PRECISION COAXIL, AIR DIELECTRIC TRANSMISSION LINES	3530
CONFERENCE OF	PRECISION ELECTROMAGNETIC MEASUREMENTS	2974
ING COEFFICIENT STANDARDS EMPLOYING	PRECISON AIR-DIELECTRIC COAXIAL LINES	3343
N OF PRECISON TRANSMISSON LINES AND	PRECISON CONNECTORS AS ACCURATE IMMITTANCE STANDARDS	3348
TS OF DIELECTRIC MATERIALS WITH THE	PRECISON SLOTTED LINE	3347
THE APPLICATION OF	PRECISON TRANSMISSON LINES AND PRECISON CONNECTORS AS ACCURATE IMM	3348
S MALIGNANT NEOPLASMS OF ANIMALS. A	PRECLINICAL STUDY	2329
EFFECT OF MICROWAVE HEATING OF	PRECOOKED CHICKEN ON CLOSTRIDIUM PERFRINGENS	2501
FECTS ON GRANULOCYTE AND MACROPHAGE	PRECURSOR CELLS OF MICE IN VITRO	0352
	PREDICTION OF AERIAL RADIATION PATTERNS FROM NEAR FIELD MEASUREMEN	3294
ASSESSMENT OF THE POSSIBILITY OF	PREDICTION OF INDIVIDUAL RADIOSENSITIVITY BY THE RESPONSE TO NON-R	0007
ERMAL CONDUCTIVITY MEASUREMENTS AND	PREDICTIONS FOR BIOLOGICAL FLUIDS AND TISSUES	3542
SHUTTLEBOX SIDE	PREFERENCE DURING PULSED MICROWAVE AND CONVENTIONAL AUDITORY CUES	0239
RADIATION DURING ESTROUS CYCLE AND	PREGNANCY	0930
THE EFFECTS OF HYPERTHERMIA ON	PREGNANCY AND PRENATAL DEVELOPMENT	2929
ANT MAGNETIC FIELD ON THE COURSE OF	PREGNANCY AND PROGENY DEVELOPMENT IN ALBINO RATS	1430
H AFTER SHORT-WAVE THERAPY IN EARLY	PREGNANCY IN EXPERIMENTAL ANIMALS	2879
ELD ON CONCEPTION AND THE COURSE OF	PREGNANCY IN WHITE MICE	2875
THE INTERRUPTION OF	PREGNANCY USING MICROWAVE RADIATION	2876
OLLOWING MICROWAVE THERAPY IN EARLY	PREGNANCY , ANIMAL EXPERIMENTS (IN GERMAN)	0670
2450 MHZ MICROWAVE RADIATION IN THE	PREGNANT RAT	2865
THE TOTAL IRON BINDING CAPACITY OF	PREGNANT RATS	2448

S REPORT ON 2450 MHZ IRRADIATION OF	PREGNANT RATS AND THE EFFECT ON THE FETUS	2878
ATAL EFFECTS OF PROTRACTED LOW DOSE	PRENATAL 915 MHZ MICROWAVE RADIATION	2864
TS OF HYPERTHERMIA ON PREGNANCY AND	PRENATAL DEVELOPMENT	2929
ONCERNING THE EFFECTS OF PROTRACTED	PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RAD	2865
	PRENATAL EXPOSURE TO AN EXTREMELY LOW FREQUENCY-LOW INTENSITY ROTA	0667
THE EFFECT OF REPETITIVE	PRENATAL LOW-LEVEL MICROWAVE EXPOSURE ON DEVELOPMENT IN THE RAT	2677
AT OFFSPRING OF NON-THERMAL CHRONIC	PRENATAL MICROWAVE IRRADIATION	2340
AT OFFSPRING OF NON-THERMAL CHRONIC	PRENATAL MICROWAVE IRRADIATION	2881
OPEN-FIELD BEHAVIOR IN RATS EXPOSED	PRENATALLY TO AN ELF LOW-INTENSITY ROTATING MAGNETIC FIELD	0787
SPONSE TO ELECTRICAL STIMULATION OF	PREOPTIC AREA OR MEDIAN EMINENCE	0635
TOWARD A	PRESCRIPTIVE GRAMMAR FOR THE RADIOBIOLOGY OF NON- IONISING RADIATI	1905
CORRESPONDENCE ON D. R. JUSTESEN'S '	PRESCRIPTIVE GRAMMAR FOR THE RADIOBIOLOGY OF NONIONIZING RADIATION	1906
VE RADIATION ON WEIGHT AND ARTERIAL	PRESSURE DYNAMICS OF ANIMALS IN CHRONIC EXPERIMENTS	1446
EFFECT OF MICROWAVES ON THE BLOOD	PRESSURE LEVELS IN TEST ANIMALS	1355
A SYSTEM FOR CHRONIC BLOOD	PRESSURE MEASUREMENT IN DOGS EXPOSED TO EXTREMELY LOW FREQUENCY EL	0865
AN IC PIEZORESISTIVE	PRESSURE SENSOR FOR BIOMEDICAL INSTRUMENTATION	0751
ER AS A FUNCTION OF TEMPERATURE AND	PRESSURE	3200
SAFETY GUIDE FOR THE	PREVENTION OF RADIO FREQUENCY RADIATION HAZARDS IN THE USE OF ELEC	3131
SIMPLIFIED DESIGN CALCULATIONS AND	PREVENTIVE MEASURES	3127
RMAL EXPANSION COEFFICIENTS AND THE	PRIMARY AND SECONDARY PYROELECTRIC COEFFICIENTS OF ANIMAL BONE	2090
N THE CENTRAL NERVOUS SYSTEM OF THE	PRIMATE	3408
FFECTS OF RADIO-FREQUENCY ENERGY ON	PRIMATE CEREBRAL ACTIVITY	1993
	PRIMATE PERFORMANCE ASSESSMENT FOLLOWING 3.2-GHZ EXPOSURES	0740
A	PRIMATE RESTRAINT CHAIR FOR USE IN MICROWAVE RADIATION STUDIES	1218
A	PRIMATE-RESTRAINT DEVICE FOR USE IN MICROWAVE BIOLOGICAL RESEARCH	1951
BIOMAGNETIC STRESSOR EFFECTS IN	PRIMATES	2108
A MICROWAVE EXPOSURE SYSTEM FOR	PRIMATES	2741
ON A NEW PHYSICAL	PRINCIPLE FOR SELECTIVE LOCAL HYPERTHERMIA OF TUMOR TISSUES	0345
HERMOCOUPLE MICROWAVE POWER DENSITY	PROBE	0589
MINIATURE BROAD-BAND ELECTRIC FIELD	PROBE	1099
F PROBES, PART 2: A MICROWAVE POWER	PROBE	1724
A SMALL ELF ELECTRIC FIELD	PROBE	2280
AN IMPROVED ELF ELECTRIC FIELD	PROBE	2988
THERMISTOR	PROBE ERROR IN AN X-BAND MICROWAVE FIELD	1818
ON PAPER: FIBEROPTIC LIQUID CRYSTAL	PROBE FOR ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREME	1103
MICROWAVES	PROBE FOR CANCER CELLS	0669
PTIC RF PROBES, PART 1: TEMPERATURE	PROBE FOR M/W FIELDS	1723
A PYROELECTRIC	PROBE FOR MEASUREMENT OF MICROWAVE POWER DENSITY UNDER FAR-FIELD C	1102
A	PROBE FOR MEASURING TEMPERATURE IN RADIO-FREQUENCY-HEATED MATERIAL	1649
A BROAD-BAND ISOTROPIC	PROBE FOR MICROWAVE POWER DENSITY MEASUREMENTS	2437
AN ULTRA-BROADBAND	PROBE FOR RF RADIATION MEASUREMENTS	2279
QUID CRYSTAL FIBEROPTIC TEMPERATURE	PROBE FOR THE MEASUREMENT OF EM POWER ABSORPTION IN TISSUE	1749
PERFORMANCE OF THE LCOF	PROBE IN CALORIMETRIC AND TISSUE TEMPERATURE MONITORING APPLICATIO	2201
PRELIMINARY IN-VIVO	PROBE MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN MICE	2455
THE ELECTRIC-FIELD	PROBE NEAR A MATERIAL INTERFACE WITH APPLICATION TO THE PROBING OF	0093
F THE RESPONSE OF THE MICROLITE 287	PROBE TO MICROWAVE FIELDS, BRH/DEP 70-20	3033
EM	PROBE WITH FIBER OPTIC TELEMETRY SYSTEM	1930
ON OF AN IMPLANTABLE ELECTRIC-FIELD	PROBE WITHIN FINITE SIMULATED TISSUES	2731
TION OF A MINIATURE, ELECTRIC FIELD	PROBE WITHIN SIMULATED MUSCULAR TISSUES	2207
DEVELOPMENT OF MAGNETIC NEAR-FIELD	PROBES	1186
OF ELECTRIC AND MAGNETIC NEAR-FIELD	PROBES	1263
REQUENCY RESPONSE OF ELECTRIC FIELD	PROBES	2217
VE DIATHERMY FIELDS: PRINCIPLES AND	PROBES	2459
ENTS USING MINIATURE ELECTRIC FIELD	PROBES	2668
ELECTROMAGNETIC FIELD	PROBES	3531
ELECTROMAGNETIC FIELD	PROBES	3532
DEVELOPMENT OF	PROBES AND MEASUREMENT TECHNIQUES FOR AUTOMATED INTERFERENCE MEASU	3619
ECTRICALLY SHORT BARE AND INSULATED	PROBES FOR MEASURING THE LOCAL RADIO FREQUENCY ELECTRIC FIELD IN B	1726
ESPONSE OF INSULATED ELECTRIC FIELD	PROBES IN FINITE HETEROGENEOUS BIOLOGICAL BODIES	0051
DESCRIPTION AND CALIBRATION OF	PROBES USED FOR EXPLORATORY FAA FIELD INTENSTIY SURVEYS	1952
MOGRAPHIC COMPARISON OF TEMPERATURE	PROBES USED IN MICROWAVE DOSIMETRY STUDIES	0265
LIQUID-CRYSTAL FIBEROPTIC RF	PROBES , PART 1: TEMPERATURE PROBE FOR M/W FIELDS	1723
LIQUID-CRYSTAL FIBEROPTIC RF	PROBES , PART 2: A MICROWAVE POWER PROBE	1724
SUBSURFACE	PROBING BY MEASUREMENT OF THE WAVE TILT OF ELECTROMAGNETIC SURFACE	3099
L INTERFACE WITH APPLICATION TO THE	PROBING OF FIELDS IN BIOLOGICAL BODIES	0093

MICROWAVES ACTION IN	PROCARYOTIC AND EUCARYOTIC CELLS AND A POSSIBLE INTERACTION WITH X	1137
A	PROCEDURE FOR CALCULATING THE THREE DIMENSIONAL ELECTRIC FIELD NEA	3103
	PROCEDURE FOR EVALUATING THE EFFECTS OF 2,450-MEGAHERTZ MICROWAVES	1920
SCREENING	PROCEDURE RELIEVES CHRONIC PAIN	0976
COMMON ENGINEERING TEST	PROCEDURE : RADIO FREQUENCY RADIATION HAZARDS TO PERSONNEL	2605
VELOPMENTS IN UHF-THERAPY DOSIMETRY	PROCEDURES	0745
G COILS FOR INTRAUTERINE DIAGNOSTIC	PROCEDURES	1959
TEE REPORT--PROPOSED WORK SCOPE AND	PROCEDURES - EPAEPC-1	3052
RECOMMENDED INSTALLATION AND SAFETY	PROCEDURES FOR ALL CLOSED CAVITY MICROWAVE DEVICES	2522
RECOMMENDED INSTALLATION AND SAFETY	PROCEDURES FOR ALL OPEN BEAM MICROWAVE DEVICES	2521
CALIBRATION PRINCIPLES AND	PROCEDURES FOR FIELD STRENGTH METERS (30 HZ TO 1 GHZ)	3494
	PROCEDURES FOR FIELD TESTING MICROWAVE OVENS	1956
TEST	PROCEDURES FOR MEASUREMENT OF THE LEVEL OF RF ENERGY FROM VARIOUS	1269
RECOMMEND SAFETY	PROCEDURES FOR THE INSTALLATION AND USE OF RADIOFREQUENCY AND MICR	0284
RADIATION SAFETY	PROCEDURES FOR THE OFFICE OF RESEARCH AND MONITORING TWINEBROOK RE	2971
L OF HEALTH HAZARDS FROM ELECTRONIC	PRODCUCT RADIATION AND OTHER TYPES OF IONIXING RADIATION, BRH/DEP	3035
ON IN FISH: CERTAIN SPECIES OF FISH	PRODUCE ELECTRIC SIGNALS THAT ARE USED FOR IDENTIFICATION, AGGREGA	0502
HIGH INTENSITY RADIATION	PRODUCES CONVULSIONS, DEATH IN MONKEY	0621
THE ROLE OF FREQUENCY IN	PRODUCING SPECIFIC BIOLOGICAL EFFECTS FROM MICROWAVES (IN FRENCH)	2632
TECHNIQUES FOR	PRODUCING STANDARD EM FIELDS FROM 10 KHZ TO 10 GHZ FOR EVALUATING	0251
IELD ON THE COURSE OF PREGNANCY AND	PROGENY DEVELOPMENT IN ALBINO RATS	1430
RONMENTAL RE RADIATION MEASUREMENTS	PROGRAM	0075
UINE BIOLOGICAL-ECOLOGICAL RESEARCH	PROGRAM	0129
MICROWAVE RADIATION EFFECTS	PROGRAM	0747
REVIEW OF THE BIOLOGICAL EFFECTS	PROGRAM	1572
VIRONMENTAL COMPATIBILITY ASSURANCE	PROGRAM	2275
STEM BIOLOGICAL/ECOLOGICAL RESEARCH	PROGRAM	3075
ON BACKGROUND AND PROPOSED INTERIM	PROGRAM	3511
MUTAGEN SOCIETY 6TH ANNUAL MEETING,	PROGRAM AND ABSTRACTS: NON-THERMAL RADIOWAVES AND GENETIC DAMAGE	3621
A	PROGRAM FOR CALCULATION NEAR-ZONE GAIN OF PYRAMIDAL HORN ANTENNAE,	3041
	PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMEN	0212
	PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMEN	2972
REPORT ON '	PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMEN	3023
SECOND REPORT ON	PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMEN	3089
REPT. ON '	PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESS	0767
SECOND REPT. ON '	PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESS	0768
THIRD REPT. ON '	PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESS	0769
FOURTH REPT. ON '	PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESS	0770
AN INTERNATIONAL	PROGRAM FOR MICROWAVE EXPOSURE PROTECTION	0802
AN OPERATIONAL SAFETY	PROGRAM FOR OPHTHALMIC HAZARDS OF MICROWAVE	0522
THE U.S. NAVY'S	PROGRAM IN NON-IONIZING RADIATION	2519
FEDERAL	PROGRAM ON BIOLOGICAL EFFECTS OF ELECTROMAGNETIC ENERGY	3002
ELECTROMAGNETIC SUSCEPTIBILITY TEST	PROGRAM ON HEART PACEMAKERS	2272
THE RADIATION HAZARDS (RAD HAZ)	PROGRAM ON THE FORMULATION OF STANDARDS	0461
CT SANGUINE BIOLOGICAL EFFECTS TEST	PROGRAM PILOT STUDIES	1760
CT SANGUINE BIOLOGICAL EFFECTS TEST	PROGRAM PILOT STUDIES	3279
REVIEW OF A	PROGRAM TO ASSESS THE EFFECTS ON MAN FROM EXPOSURE TO MICROWAVES	0503
A	PROGRAM TO STUDY THE EFFECTS OF MICROWAVE RADIATION ON VARIOUS BIO	0704
N BIOLOGICAL MEDIA: PT II, THE SCAT	PROGRAM , MULTILAYERED SPHERES, THEORY AND APPLICATIONS	0263
THE TRI-SERVICE	PROGRAM--A TRIBUTE TO GEORGE M. KNAUF, USAF (MC)	1117
THE OTP/OT SPECTRUM MANAGEMENT	PROGRAM--AN OVERVIEW	1742
THE DEVELOPMENT OF A LONG-TERM	PROGRAMME ON NON-IONIZING RADIATION PROTECTION	3121
A	PROGRAMME ON NON-IONIZING RADIATION PROTECTION OF THE WORLD HEALTH	0594
	PROGRAMMED SIX-CHANNEL ELECTRICAL STIMULATOR FOR COMPLEX STIMULATI	0094
DEVELOPMENT OF REGULATORY	PROGRAMS UNDER THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF	0472
ARTIFICIAL VISION	PROGRESSES	0909
	PROLACTIN RESPONSE TO ELECTROCONVULSIVE THERAPY	1879
YSIS OF PLANE WAVE IRRADIATION OF A	PROLATE SPHEROID MODEL OF MAN	1174
MAGNETIC COUPLING TO A	PROLATE SPHEROID MODEL OF MAN	2435
EM POWER DEPOSITION IN	PROLATE SPHEROID MODELS OF MAN AND ANIMALS AT RESONANCE	2785
ANALYSIS OF EM POWER ABSORPTION BY	PROLATE SPHEROIDAL AND ELLIPSOIDAL MODELS OF MAN	1604
FOR BROAD-BAND SAR CALCULATIONS OF	PROLATE SPHEROIDAL MODELS OF HUMANS AND ANIMALS	0301
G-WAVELENGTH EM POWER ABSORPTION IN	PROLATE SPHEROIDAL MODELS OF MAN AND ANIMALS	1305
POWER ABSORBED BY MONKEY AND HUMAN	PROLATE SPHEROIDAL PHANTOMS IN AN IRRADIATION CHAMBER	2193
THE PUBLIC IN A PERIOD OF RADIATION	PROLIFERATION	0363

LECTRICAL ENHANCEMENT OF PERIOSTEAL	PROLIFERATION IN NORMAL AND DELAYED FRACTURE HEALING	2782
	PROLIFERATION OF EM POLLUTION OR LOOK WHAT WE'RE DOING TO OURSELVE	1743
NTENSITY CONSTANT MAGNETIC FIELD ON	PROLIFERATION OF EPITHELIAL CELLS IN THE MOUSE DUODENUM	0065
	PROLONGATION OF LIFE DURING HIGH-INTENSITY MICROWAVE EXPOSURES	0715
	PROLONGED EFFECT OF A CONSTANT AND ALTERNATING MAGNETIC FIELD OF 1	1405
LTH CONDITION OF WORKERS EXPOSED TO	PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION	3193
PHOSPHORYLATION IN THE LIVER DURING	PROLONGED EXPOSURE TO MICROWAVES (IN RUSSIAN)	1838
ES IN FIVE ANIMAL POPULATIONS AFTER	PROLONGED EXPOSURE TO WEAK EXTREMELY LOW FREQUENCY EM FIELDS IN NA	1108
EFFECTS OF	PROLONGED HIGH TEMPERATURE ON TESTICULAR DEVELOPMENT AND FERTILITY	2890
UNOLOGICAL REACTIVITY OF ANIMALS IN	PROLONGED IRRADIATION BY UHF RADIOWAVES	0975
A CASE OF	PROLONGED , REVERSIBLE DEMENTIA ASSOCIATED WITH ABUSE OF ELECTROCON	1311
ENCIES BELOW 1000 MHZ IN RADIO WAVE	PROPAGATION	3561
LOW FREQUNCY TERRESTRAIL KADIO WAVE	PROPAGATION	3569
RADIO	PROPAGATION AT FREQUENCIES ABOVE 30 MEGACYCLES	3490
DEVELOPMENT OF VHF AND UHF	PROPAGATION CURVES FOR TV AND FM BROADCASTING	3523
	PROPAGATION OF EM WAVES IN MEDIA WHICH VARY SLOWLY WITH POSITION A	0729
	PROPAGATION OF PLANE WAVES THROUGH TWO PARALLEL DIELECTRIC SHEETS	3550
RADIO	PROPAGATION OVER PLANE EARTH-FIELD STRENGTH CURVES	3493
SOURCES,	PROPAGATION , AMPLITUDE AND TEMPORAL VARIATION OF EXTREMELY LOW FRE	1663
THERMOPHYSICAL	PROPERTIED OF BIOLOGICAL MEDIA	3515
ENDENCE OF ITS MICROWAVE DIELECTRIC	PROPERTIES	0901
ROADBAND MEASUREMENTS OF DIELECTRIC	PROPERTIES	2664
D THAWING-HEAT TRANSFER AND THERMAL	PROPERTIES	3543
WITH BIOLOGICAL SYSTEMS: ELECTRICAL	PROPERTIES AND BIOPHYSICAL MECHANISMS	0393
DIELECTRIC	PROPERTIES AND MEASUREMENT TECHNIQUES FOR BIOMOLECULES	1735
ADIATION ON BIOELECTRIC MUSCLE CELL	PROPERTIES AND ON WATER PERMEABILITY AND ITS DISTRIBUTION	0874
ELECTRICAL	PROPERTIES MEASURED WITH ALTERNATING CURRENTS: BODY TISSUES	3381
METER FOR TEMPERATURE AND MICROWAVE	PROPERTIES MEASUREMENTS OF BIOLOGICAL SUBSTANCES	2410
DIELECTRIC	PROPERTIES OF AQUEOUS IONIC SOLUTIONS,PART I	3197
ERATURE DEPENDENCE OF THE MICROWAVE	PROPERTIES OF AQUEOUS SOLUTIONS OF ETHYLENE GLYCOL BETWEEN +15 DEG	0172
LIMETER-BAND RADIO WAVES ON CERTAIN	PROPERTIES OF BACTERIA	2303
ACTIVITY OF THE ORGANISM AND IN THE	PROPERTIES OF BACTERIA, VIRUSES, AND SIMPLE ANIMALS UNDER THE INFL	2261
DIELECTRIC	PROPERTIES OF BIOLOGICAL MATERIALS AND INTERACTION OF MICROWAVE FI	0873
THE EXTRAORDINARY DIELECTRIC	PROPERTIES OF BIOLOGICAL MATERIALS AND THE ACTION OF ENZYMES	1736
E FOR MEASUREMENT OF THE DIELECTRIC	PROPERTIES OF BIOLOGICAL SUBSTANCES	2836
PHYSICAL	PROPERTIES OF BIOLOGICALLY ACTIVE LOW-FREQUENCY EM FIELDS (IN GERM	2710
THE	PROPERTIES OF BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS	2218
THE	PROPERTIES OF BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS	2458
THE	PROPERTIES OF BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE R	1830
THE	PROPERTIES OF BIRD FEATHERS AS PIEZOELECTRIC TRANSDUCERS AND MICRO	2816
ELEKTROKINETIC	PROPERTIES OF BLOOD ELEMENTS UNDER THE EFFECT OF PHYSICAL FACTORS	2128
ELENGTH TO INTENSIFY THE BIOLOGICAL	PROPERTIES OF BLOOD PROTEINS	2346
ELECTRICAL	PROPERTIES OF BOUND WATER	3209
DIELECTRIC	PROPERTIES OF BRAIN TISSUE BETWEEN 0-01 AND 10 GHZ	0416
EFFECT OF DMSO ON THE DIELECTRIC	PROPERTIES OF CANINE KIDNEY TISSUE	2847
MICROWAVE	PROPERTIES OF CRYOPROTECTANTS	3412
PHYSICAL	PROPERTIES OF FATTY ACID METHYL ESTERS.V. DIELECTRIC CONSTANT	3199
ICAL STIMULATION ON THE BIOPHYSICAL	PROPERTIES OF FRACTURE HEALING	2241
MICROWAVE	PROPERTIES OF FRESH MAMMALIAN BRAIN TISSUES AT BODY TEMPERATURE	1282
MEASUREMENT OF SOME THERMAL	PROPERTIES OF HUMAN TISSUES	3514
DIELECTRIC	PROPERTIES OF HYDRATED COLLAGEN	0010
MICROWAVE DIELECTRIC	PROPERTIES OF INSECTS AND GRAIN KERNELS	0840
	PROPERTIES OF LIQUID CRYSTALS AND THEIR APPLICATION TO THE MEASURE	3046
	PROPERTIES OF LIQUID CRYSTALS AND THEIR APPLICATION TO THE MEASURE	3547
FOR THE STUDY OF THE SEMICONDUCTOR	PROPERTIES OF LIVING TISSUE	2337
ELECTRIC AND MAGNETIC	PROPERTIES OF LYSOZYME AND OTHER BIOMOLECULES	1738
DIELECTRIC	PROPERTIES OF MATERIALS FOR MICROWAVE PROCESSING-TABULATED	3259
CTRICAL FIELD ON THE ELECTROKINETIC	PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN)	0015
PASSIVE ELECTRICAL	PROPERTIES OF MICROORGANISMS III. CONDUCTIVITY OF ISOLATED BACTERI	1915
PASSIVE ELECTRICAL	PROPERTIES OF MICROORGANISMS IV. STUDIES OF THE PROTOPLASTS OF MIC	1916
PASSIVE ELECTRICAL	PROPERTIES OF MICROORGANISMS V. LOW-FREQUENCY DIELECTRIC DISPERSIO	1917
SOME DIELECTRIC	PROPERTIES OF MUSCLE MEMBRANE AND THEIR POSSIBLE IMPORTANCE FOR EX	2837
DETERMINING THE ELECTRICAL	PROPERTIES OF NORMAL AND MALIGNANT BIOLOGICAL TISSUE IN VIVO	3142
COAGULATION	PROPERTIES OF PLATELETS IN CONSTANT MAGNETIC FIELD	0090
D, PARENCHYMA, AND SOME BIOCHEMICAL	PROPERTIES OF RAT TESTES	1502

UTILIZING NONLINEAR	PROPERTIES OF SEMICONDUCTORS WHICH SHOW UP IN STRONG ELECTRIC FIEI	2343
NEAR-FIELD RADIATION	PROPERTIES OF SIMPLE LINEAR ANTENNAS WITH APPLICATIONS TO RADIOFRE	0192
THE DIELECTRIC	PROPERTIES OF SOME LONG CHAIN FATTY ACIDS AND THEIR METHYL ESTERS	3201
DIELECTRIC	PROPERTIES OF SYNAPTOSOMES ISOLATED FROM RAT BRAIN CORTEX	1933
THE DIELECTRIC	PROPERTIES OF THE BOVINE EYE LENS	3379
HIGH-VOLTAGE CONDENSER ON THE OPTIC	PROPERTIES OF THE FROG CARDIAC MUSCLE (IN RUSSIAN)	1398
DIELECTRIC	PROPERTIES OF THE HUMAN BODY FOR WAVE-LENGTHS IN THE 1-10 CM. RANG	0474
DIELECTRIC	PROPERTIES OF THE HUMAN BODY IN THE MICROWAVE REGION OF THE SPECTR	0475
OF UHF EMR ON THE IMMUNOBIOLOGICAL	PROPERTIES OF THE ORGANISM	0459
MICROWAVE DIELECTRIC	PROPERTIES OF TISSUE	2770
ELECTRICAL	PROPERTIES OF TISSUE AND CELL SUSPENSIONS	1119
ELECTRICAL	PROPERTIES OF TISSUE AND CELL SUSPENSIONS	3380
DELS OF MAN AND MEASURED ELECTRICAL	PROPERTIES OF TISSUE MATERIALS	1293
VO PROBE MEASUREMENTS OF ELECTRICAL	PROPERTIES OF TUMORS IN MICE	2455
THE DIELECTRIC	PROPERTIES OF WATER AND HEAVY WATER	3439
ELECTRICAL	PROPERTIES OF WET COLLAGEN	2089
PIEZOELECTRICITY AS A FUNDAMENTAL	PROPERTY OF BIOLOGICAL TISSUES	2091
PROBLEMS OF	PROPHYLAXIS AND PROTECTION FROM THE HARMFUL EFFECTS OF MICROWAVES	2268
MEASURES OF PROTECTION, THERAPY AND	PROPHYLAXIS TO BE TAKEN DURING WORK WITH RADIO-FREQUENCY OSCILLATO	0545
ELECTRIC FIELDS (I) EFFECTS ON THE	PROPORTION OF THE DIFFERENT LEUCOCYTE TYPES	3128
AL RADIOFREQUENCY BURNS: EFFECTS OF	PROSTAGLANDINS AND 48/80	2223
PECTS OF TRANSURETHRAL RESECTION OF	PROSTATE WITH HIGH-FREQUENCY CURRENTS (IN GERMAN)	2642
EFFECTIVENESS IN ELECTRONIC MEDICAL	PROSTHETIC DEVICES	0642
THE LOCALIZED HEAT TREATMENT OF THE	PROSTRATE	0268
FFECTS OF EM WAVES ON PRODUCTION OF	PROTEASES WITH FIBRINOLYTIC ACTIVITY IN ASPERGILLUS ORYZAE (AHLB.)	2828
OF ENVIRONMENTAL NOISE REQUISITE TO	PROTECT PUBLIC HEALTH AND WELFARE WITH AN ADEQUATE MARGIN OF SAFET	3079
ENVIRONMENTAL PROTECTION AGENCY TO	PROTECT THE PUBLIC FROM ENVIRONMENTAL NONIONIZING RADIATION EXPOSU	0362
	PROTECTING MILITARY PERSONNEL AND THE PUBLIC FROM THE HAZARDS OF E	0311
ONAL PROGRAM FOR MICROWAVE EXPOSURE	PROTECTION	0802
NEW CONCEPTS IN PERSONNEL	PROTECTION	1563
PPLICATIONS AS RELATED TO PERSONNEL	PROTECTION	1569
TIONS: ITS IMPLICATION IN RADIATION	PROTECTION	2057
OPERATION ON NON-IONIZING RADIATION	PROTECTION	2228
MAINTENANCE STAFF AND MEANS FOR ITS	PROTECTION	3076
PROGRAMME ON NON-IONIZING RADIATION	PROTECTION	3121
RADIATION HEALTH HAZARDS AND	PROTECTION	3540
	PROTECTION AFFORDED BY THE METAL CAPSULE OF PACEMAKERS AGAINST EXT	2588
	PROTECTION AGAINST MICROWAVE OVEN RADIATION LEAKAGE	0830
S REPORT OF THE IRPA STUDY GROUP ON	PROTECTION AGAINST NON-IONIZING RADIATION	2477
REMENTS OF HF FIELD INTENSITIES FOR	PROTECTION AGAINST RADIATION HAZARDS	2835
THE ENVIRONMENTAL	PROTECTION AGENCY NEEDS CONGRESSIONAL GUIDANCE AND SUPPORT TO GUAR	0363
EFFORTS BY THE ENVIRONMENTAL	PROTECTION AGENCY TO PROTECT THE PUBLIC FROM ENVIRONMENTAL NONIONI	0362
THE ENVIRONMENTAL	PROTECTION AGENCY,S RESPONSE TO ENVIRONMENTAL RADIATION CONTROL IS	3001
NOTE ON THE RADIO	PROTECTION EXERTED BY ULTRASHORT WAVES WITH RESPECT TO BACTERIA (I	2627
RESISTANCE AND ITS USE IN DETERMING	PROTECTION FOR METALLIC COMMUNICATION CIRCUITS	3117
ENVIRONMENTAL	PROTECTION FROM EMR DESCRIBED	1496
	PROTECTION FROM THE EFFECT OF RADIO WAVES	0519
PROBLEMS OF PROPHYLAXIS AND	PROTECTION FROM THE HARMFUL EFFECTS OF MICROWAVES	2268
	PROTECTION GUIDES AND STANDARDS FOR MICROWAVE EXPOSURE	1603
EYE	PROTECTION IN RADAR FIELDS	0579
LIGHTNING	PROTECTION OF 750-1150 KV TRANSMISSION LINES	3590
PRINCIPLES IN SWITCHING OVERVOLTAGE	PROTECTION OF EXTRA HIGH VOLTAGE POWER TRANSMISSIONS	3589
STANDARDS AND REGULATIONS FOR THE	PROTECTION OF LABOR DURING WORK ON SUBSTATIONS AND TRANSMISSION LI	3077
STANDARDS FOR	PROTECTION OF PERSONNEL AGAINST NONIONIZING RADIATION	0795
	PROTECTION OF THE MICROWAVE-IRRADIATED BRAIN WITH BODY-CORE HYPOTH	2533
PROGRAMME ON NON-IONIZING RADIATION	PROTECTION OF THE WORLD HEALTH ORGANIZATION REGIONAL OFFICE FOR EU	0594
	PROTECTION OF WORKERS OPERATING HIGH-FREQUENCY INDUCTION HEATING E	1842
MICROWAVE AND RADIOFREQUENCY	PROTECTION STANDARDS	0106
AL FOR THE DEVELOPMENT OF RADIATION	PROTECTION STANDARDS	3546
NON-IONIZING RADIATION	PROTECTION TRAINING MANUAL FOR RADIATION CONTROL. LECTURES, DEMON	2394
NG ORGANISMS AND RELATED METHODS OF	PROTECTION , PART II (IN ITALIAN)	0451
MEASURES OF	PROTECTION , THERAPY AND PROPHYLAXIS TO BE TAKEN DURING WORK WITH R	0545
	PROTECTIVE MEASURES FOR MICROWAVE RADIATION HAZARDS: 750 TO 30,000	0530
EFFECTS,	PROTECTIVE MEASURES, AND MEDICO-MILITARY ASPECTS IN CONNECTION WIT	3191
CHANGES IN CERTAIN	PROTECTIVE REACTIONS OF AN ORGANISM UNDER THE INFLUENCE OF SW IN E	1457

DEVELOPMENT OF A RADAR RADIATION	PROTECTIVE SUIT FOR NAVAL PERSONNEL	2604
RACTIONS BETWEEN INTRINSIC MEMBRANE	PROTEIN AND ELECTRIC FIELD	2367
QUANTITATIVE EVIDENCE FOR	PROTEIN DENATURATION AS THE CAUSE OF THERMAL DEATH	3500
ESTIMATION OF	PROTEIN HYDRATION BY DIELECTRIC MEASUREMENTS AT MICROWAVE FREQUENC	0489
BAND EM WAVES ON CERTAIN ASPECTS OF	PROTEIN METABOLISM IN BACTERIA	2304
OF MICROWAVES ON CERTAIN ASPECTS OF	PROTEIN METABOLISM IN TEST ANIMALS	1356
AUTORADIOGRAPHIC ANALYSIS OF	PROTEIN SYNTHESIS AND MEASUREMENTS ON NUCLEAR VOLUME IN WISH CELL	1328
EFFECTS OF 2450 MHZ MICROWAVES ON	PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMSTERS	2507
ELECTRICAL STIMULATION OF RNA AND	PROTEIN SYNTHESIS IN THE FROG ERYTHROCYTE	1808
MR AS A BIOCOMMUNICATIONS MEDIUM: A	PROTEIN TRANSRECEIVER SYSTEM	1670
ROM MOUSE SKIN PRESERVING RNA, DNA,	PROTEIN , AND PHORBOL ESTER-INDUCED ORNITHINE DECARBOXYLASE LEVELS	2825
ROWAVE RADIATION ON MAMMALIAN SERUM	PROTEINS	0922
IELD INDUCED CHANGES IN MOUSE SERUM	PROTEINS	2050
E EFFECTS OF MICROWAVE RADIATION ON	PROTEINS	2295
THE BIOLOGICAL PROPERTIES OF BLOOD	PROTEINS	2346
CTRICAL CONDUCTIVITY OF CHICKEN EGG	PROTEINS AND YOLK DURING EARLY STAGES OF INCUBATION	0219
F IRON, COPPER, COBALT AND METALLIC	PROTEINS BONDED WITH THEM IN ORGANS AND TISSUES OF TEST ANIMALS	1498
BLOOD	PROTEINS IN PERSONNEL OF TELEVISION AND RADIO TRANSMITTING STATION	0888
EFFECTS ON PARAMAGNETIC CENTERS OF	PROTEINS IRRADIATED WITH ULTRAVIOLET LIGHT	1476
ITY MICROWAVE IRRADITION ON SOLUBLE	PROTEINS OF THE RABBIT LENS	0179
POWDERS OF AMINO ACIDS, PEPTIDES &	PROTEINS	3203
BIREFRINGENCE STUDIES OF CARTILAGE	PROTEOGLYCAN AGGREGATION	2399
BEHAVIORAL	PROTOCOLS AND PRELIMINARY OBSERVATIONS OF CHICKS EXPOSED TO WEAK A	2661
F MICROORGANISMS IV. STUDIES OF THE	PROTOPLASTS OF MICROCOCCUS LYSODEIKTICUS	1916
TYPE 1100/1200 KV TRANSMISSION LINE	PROTOTYPE	3170
BONNEVILLE POWER ADMINISTRATION'S	PROTOTYPE 1100/1200 KV TRANSMISSION LINE PROTOTYPE	3170
USE OF AN INDUSTRIAL	PROTOTYPE MACHINE FOR DRYING AND STERILIZING PHARMACEUTICAL AMPOUL	1228
L AND ELECTRICAL STIMULATION OF THE	PROTOZOAN , SPIROSTOMUM AMBIGUUM	2475
MAL AND ENDOCRINOLOGICAL EFFECTS OF	PROTRACTED IRRADIATION OF RATS BY 2450 MHZ MICROWAVES	2901
MAL AND ENDOCRINOLOGICAL EFFECTS OF	PROTRACTED IRRADIATION OF RATS BY 2450-MHZ MICROWAVES	2747
CONCERNING THE POSTNATAL EFFECTS OF	PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATION	2864
STUDIES CONCERNING THE EFFECTS OF	PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MI	2865
ELECTROMAGNETIC FIELDS IN THE CLOSE	PROXIMITY OF CB ANTENNAS	0028
D INTENSITY IN BUILDINGS WITH CLOSE	PROXIMITY TO BROADCAST STATIONS	0108
ENERGY DISTRIBUTION MEASUREMENTS IN	PROXIMITY TO MAN AND THEIR PRACTICAL APPLICATION	1098
IVE SALVAGE OF SURGICALLY-RESISTANT	PSEUDARTHROSES AND NON-UNIONS BY PULSING EM FIELDS--A PRELIMINARY	2373
TREATMENT OF CONGENITAL	PSEUDARTHROSIS OF THE TIBIA WITH DIRECT CURRENT	2778
WAVES ON BACILLUS MESENTERICUS AND	PSEUDOMANAS FLUORESCENS (IN RUSSIAN)	1633
NVENTIONAL AND MICROWAVE HEATING ON	PSEUDOMONAS PUTREFACIENS, STREPTOCOCCUS FAECALIS AND LACTOBACILLUS	2693
	PSEUDOSUBSTRATE BINDING TO RIBONUCLEASE DURING EXPOSURE TO MICROWA	3382
BIOLOGICAL RHYTHMS IN	PSYCHIATRY AND MEDICINE	2957
INFLUENCE OF INJECTED	PSYCHOACTIVE DRUGS ON CYCLIC AMP LEVELS IN MOUSE BRAIN AND LUNG FO	2769
A	PSYCHOBIOLOGICAL STUDY OF RHESUS MONKEYS EXPOSED TO EXTREMELY LOW	1212
THE	PSYCHOLOGIC CONSEQUENCES OF EXPOSURE TO HIGH DENSITY PULSED EM ENE	2084
ARE THERE BIOLOGICAL AND	PSYCHOLOGICAL EFFECTS DUE TO EXTRA HIGH VOLTAGE INSTALLATIONS	1217
	PSYCHOLOGICAL EFFECTS OF MAGNETIC AND ELECTRIC FIELDS	1666
EXPERIMENTS ON	PSYCHOMAGNETISM	1555
	PSYCHOPHYSIOLOGICAL EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS:	0935
OF MICROWAVE RADIATION: A SURVEY OF	PUBLISHED LIT	0940
ADIATION-A REVIEW AND EVALUATION OF	PUBLISHED REPORTS	3529
FREQUENCY OF THE WATERFLEA: DAPHNIA	PULEX	1720
THE USE OF MICROWAVE RADIATION FOR	PULMONARY DIAGNOSTICS	1241
MONITORING AND DIAGNOSIS OF	PULMONARY EDEMA BY MICROWAVES: A PRELIMINARY REPORT	2463
PLICATION OF MICROWAVE RADIATION IN	PULMONARY MEDICINE	2202
SOME EFFECTS OF CONTINUOUS AND	PULSATING ELECTRIC FIELDS ON BRAIN WAVE ACTIVITY IN RATS	1010
EXPERIMENTAL ARTHRITIS BY ATHERMIC	PULSATING SHORT WAVES IN RATS	1827
FRACTURE HEALING BY MEANS OF A SLOW	PULSATING , ASYMMETRICAL DIRECT CURRENT	2784
OF REVOLUTION BY AN ELECTROMAGNETIC	PULSE	3175
GH ALTITUDE NUCLEAR ELECTROMAGNETIC	PULSE (EMP)	3098
EFFECTS OF ELECTROMAGNETIC	PULSE (EMP) ON A POWER SYSTEM	3074
THE EFFECTS OF ELECTROMAGNETIC	PULSE (EMP) ON STATE AND LOCAL RADIO COMMUNICATIONS	3073
AFRRI ELECTROMAGNETIC	PULSE (EMP) SIMULATOR	2085
IC SYNDROME DURING THE TREATMENT BY	PULSE CURRENT (IN RUSSIAN)	1409
ABSENCE OF EM	PULSE EFFECTS ON MONKEYS AND DOGS	0498
NG RATS IRRADIATED WITH A MICROWAVE	PULSE FIELD	0182

CARDIAC	PULSE GENERATORS AND EM INTERFERENCE	2041
EM	PULSE INTERACTION WITH MAMMALIAN CRANIAL STRUCTURES	1226
COUPLING OF GAUSSIAN EM	PULSE INTO A MUSCLE-BONE MODEL OF BIOLOGICAL STRUCTURE	1124
TRANSMISSION OF EM	PULSE INTO THE HEAD	1719
INSENSITIVITY OF FROG HEART RATE TO	PULSE MODULATED MICROWAVE ENERGY	0844
ISOLATED FROG HEART IRRADIATED WITH	PULSE MODULATED MICROWAVE ENERGY	1804
ISOLATED FROG HEART IRRADIATED WITH	PULSE MODULATED MICROWAVE ENERGY	3390
	PULSE MODULATED UHF ENERGY ILLUMINATION OF THE HEART ASSOCIATED WI	1040
EM RESPONSE TO LOWER POWER DENSITY,	PULSE MODULATED, EM ENERGY: A SEARCH FOR MECHANISMS	1135
EFFECT OF EM	PULSE ON AVOIDANCE BEHAVIOR AND ELECTROENCEPHALOGRAM OF A RHESUS M	0999
EM	PULSE RADIATION: A POTENTIAL BIOLOGICAL HAZARD?	0611
RF	PULSE SPECTRAL MEASUREMENTS IN THE VICINITY OF SEVERAL AIR TRAFFIC	0629
HIGH POWER	PULSE TRANSMITTERS	0825
THE EFFECT OF THE	PULSE ULTRAHIGH FREQUENCY EM FIELD ON THE SERUM CHOLESTEROL CONTEN	0693
TS OF DIFFERENT MICROWAVE RANGES IN	PULSE-CODE MODULATION AND CONTINUOUS GENERATION	1365
AN EVALUATION OF EMC PERFORMANCE OF	PULSE-DOPPLER RADAR SYSTEMS	3512
ECTS IN RESPONSE TO A LOW INTENSITY	PULSED 9,400 MHZ MICROWAVE ELECTROMAGNETIC FIELD	0415
DIFFERENTIAL BIOLOGIC EFFECTS OF	PULSED AND CONTINUOUS EM FIELDS AND MECHANISMS OF EFFECT	1052
ATOLOGIC EFFECTS IN MICE EXPOSED TO	PULSED AND CW MICROWAVES	0206
THE EFFECTS OF HIGH POWER	PULSED AND LOW LEVEL CW MICROWAVE RADIATION ON AN OPERANT BEHAVIOR	1310
OSOMA EQUIPERDUM, AND THE ACTION OF	PULSED AND MODULATED EM WAVES (IN FRENCH)	0959
THERAPEUTIC ACTION OF	PULSED CENTIMETER WAVES ON PATIENTS WITH DEFORMING OSTEOARTHROSIS	0237
PECTS OF THE MECHANISM OF ACTION OF	PULSED CURRENTS (ACCORDING TO THE METHOD OF A ELECTROANALGESIA	3427
IMENTAL ANIMALS UNDER THE ACTION OF	PULSED CURRENTS (BY THE METHOD OF ELECTROANALGESIA)	0024
TAIN EXPERIMENTAL OBSERVATIONS ON A	PULSED DIATHERMY MACHINE	0661
EFFECT OF A	PULSED ELECTRIC CURRENT ON THE COURSE OF REPARATIVE OSTEOGENESIS	2822
DISINFECTING EFFECT OF	PULSED ELECTRICAL DISCHARGES ON BINARY BACTERIAL SUSPENSION (IN RU	2725
REATMENT OF SOFT-TISSUE INJURIES BY	PULSED ELECTRICAL ENERGY	1829
A	PULSED ELECTRICAL STIMULATION TECHNIQUE FOR INDUCING BONE GROWTH	2237
E INFLUENCE OF SUPER-HIGH FREQUENCY	PULSED ELECTROMAGNETIC FIELD ON CONCEPTION AND THE COURSE OF PREGN	2875
OLOGICAL EFFECT OF A LOW- FREQUENCY	PULSED ELECTROMAGNETIC FIELD	3245
QUENCES OF EXPOSURE TO HIGH DENSITY	PULSED EM ENERGY	2084
EFFECT OF	PULSED EM ENERGY (DIAPULSE) OF EXPERIMENTAL HEMATOMAS	1828
THE EFFECTS OF	PULSED EM ENERGY ON PERIPHERAL NERVE REGENERATION	1054
IOLOGICAL EFFECT OF A LOW-FREQUENCY	PULSED EM FIELD	0443
L CORD IN LAB. ANIMALS EXPOSED TO A	PULSED EM FIELD	0855
UNDER THE EFFECT OF A LOW-FREQUENCY	PULSED EM FIELD	1514
UE TO THE EFFECT OF A LOW-FREQUENCY	PULSED EM FIELD ON THE ANIMAL ORGANISM	1508
A TRIAL INVOLVING THE USE OF	PULSED EM THERAPY ON CHILDREN UNDERGOING ORCHIDOPEXY	0856
GICAL EFFECTS IN RODENTS EXPOSED TO	PULSED EMR	0736
USLY THROUGHOUT THEIR ADULT LIFE TO	PULSED EMR	1167
OF NONTHERMAL BIOLOGICAL EFFECTS OF	PULSED EMR	1734
EFFECTS OF 8.6 GHZ	PULSED EMR ON AN ESCHERICHIA COLI REPAIR-DEFICIENT MUTANT	0227
SOME EFFECTS OF VARIOUS	PULSED FIELDS ON ANIMALS WITH AUDIOGENIC EPILEPSY	1253
	PULSED HIGH FREQUENCY AND ROUTINE HOSPITAL ANTIBIOTIC THERAPY IN T	1809
WAVE AND MICROWAVE DIATHERMIES AND	PULSED HIGH FREQUENCY CURRENT	2087
SIMULTANEOUS APPLICATION OF	PULSED HIGH FREQUENCY CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA	1281
BIOLOGICAL ACTIVITY ASSOCIATED WITH	PULSED HIGH FREQUENCY RADIATION (27.12MHZ)	2203
TSURGICAL SYMPTOMS USING NONTHERMAL	PULSED HIGH-PEAK-POWER EM ENERGY	1810
N EARLY DETECTION OF LESIONS DUE TO	PULSED LOW-FREQUENCY EM FIELDS	2047
EFFECTS OF	PULSED LOW-FREQUENCY MAGNETIC FIELD ON ACTIVITY OF REDOX ENZYMES I	2054
DERLYING THE BIOLOGICAL ACTION OF A	PULSED MAGNETIC FIELD	1375
EFFECT OF A	PULSED MAGNETIC FIELD ON CHICK EMBRYOS IN THE 48TH HOUR OF INCUBAT	1559
SHUTTLEBOX SIDE PREFERENCE DURING	PULSED MICROWAVE AND CONVENTIONAL AUDITORY CUES	0239
GENERATION OF ACOUSTIC SIGNALS BY	PULSED MICROWAVE ENERGY	0718
PHARMACOLOGIC EFFECTS OF A	PULSED MICROWAVE FIELD	1274
RONIZATION OF CORTICAL NEURONS BY A	PULSED MICROWAVE FIELD AS EVIDENCED BY SPECTRAL ANALYSIS OF ELECTR	1061
BIOLOGICAL EFFECTS OF LOW INTENSITY	PULSED MICROWAVE RADIATION	0790
BEHAVIORAL EFFECTS OF	PULSED MICROWAVE RADIATION	1096
LE AUDITORY UNIT RESPONSES TO WEAK,	PULSED MICROWAVE RADIATION	2145
ONTROL OF BEHAVIOR BY LOW LEVELS OF	PULSED MICROWAVE RADIATION	2161
NGLE AUDITORY NEURONS IN THE CAT TO	PULSED MICROWAVE RADIATION	2758
E CONTROL OF APPETITIVE BEHAVIOR BY	PULSED MICROWAVE RADIATION IN RATS	2164
NCTION IN RHESUS MONKEYS EXPOSED TO	PULSED MICROWAVE RADIATION	0254
E TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ	PULSED MICROWAVES	0366

ERMOACOUSIC AUDITORY STIMULATION BY	PULSED MICROWAVES	0477
IVE STUDIES ON 1285 AND 2800 MC/SEC	PULSED MICROWAVES	0532
EFFECTS OF EXPOSURE TO	PULSED MICROWAVES (RADAR) ON CENTRAL NERVOUS SYSTEM EXCITABILITY I	0637
EFFECT OF	PULSED MICROWAVES AT X-BAND ON SKIN METABOLISM	2049
INFLUENCE OF	PULSED MICROWAVES ON HAEMATOPOIESIS OF ADOLESCENT RATS	1132
N TISSUE CULTURE, PART 3: EFFECT OF	PULSED MICROWAVES ON SKIN RESPIRATION AND BIOCHEMISTRY	0453
RELATION OF INTERRUPTED	PULSED MICROWAVES TO BIOLOGICAL HAZARDS	0470
	PULSED RADIOWAVE (27.12 MHZ) EFFECTS ON IN VIVO AND IN VITRO TUMOR	1162
ATIONS ON THE THERAPEUTIC EFFECT OF	PULSED SHORT WAVES IN INTERMITTENT CLAUDICATION	0490
SENSITIVITY OF THE RABBIT BRAIN TO	PULSED SUPERHIGH-FREQUENCY EM FIELDS	1940
MAN PERCEPTION OF ILLUMINATION WITH	PULSED UHF EM ENERGY	0479
ONSES ASSOCIATED WITH LOW-INTENSITY	PULSED UHF ENERGY	1036
A THREE-PHASE EVALUATION OF	PULSED , HIGH FREQUENCY, RADIO SHORT WAVES (DIAPULSE). 646 PATIENTS	1823
THE EFFECTS OF	PULSED , HIGH-FREQUENCY RADIO WAVES ON THE RATE OF OSTEOGENESIS IN	0993
THE EFFECT OF	PULSED , SHORT WAVES ON ALVEOLAR HEALING	0512
MICROPHONICS GENERATED BY MICROWAVE	PULSES	1207
NCE OF SINUSOIDAL MODULATED CURRENT	PULSES	2045
FIELD, OSCILLATING WITH RECTANGULAR	PULSES AT A FREQUENCY OF 10 HZ (IN GERMAN)	2646
ADIO NOISE METER RESPONSE TO RANDOM	PULSES BY COMPUTER SIMULATION	3116
E OF RODENTS TO 10 TO THE 8TH POWER	PULSES OF EMR	0826
S EXPOSED TO 10 TO THE EIGHTH POWER	PULSES OF EMR	2469
E EFFECTS OF LOW FREQUENCY EM FIELD	PULSES ON SKELETAL MUSCLE METABOLISM IN THE RAT	2048
ATERIALS IRRADIATED WITH MICROWAVE	PULSES--A THEORETICAL ANALYSIS	2441
NT PSEUDARTHROSES AND NON-UNIONS BY	PULSING EM FIELDS--A PRELIMINARY REPORT	2373
	PULSOTHERAPY : PRELIMINARY REPT. ON A NEW METHOD OF RELATIVELY COLD	1821
AL DEVELOPMENT OF IRRADIATED INSECT	PUPAE	0456
ENCY OR HEAT TREATMENT OF LARVAE OR	PUPAE	1976
OGICAL EFFECTS OF MICROWAVES ON THE	PUPAE OF TENEBRIO MOLITOR	2675
MAGNETIC EFFECTS ON THE ORGANISM OF	PUPILS IN LABORATORIES. (IN SLO)	0342
URSI	PURSUED : MILLIMETER WAVE BIOPHYSICS	3396
ND MICROWAVE HEATING ON PSEUDOMONAS	PUTREFACIENS , STREPTOCOCCUS FAECALIS AND LACTOBACILLUS PLANTARUM I	2693
M ELECTROPHORESIS IN THE THERAPY OF	PYELONEPHRITIS IN CHILDREN (IN RUSSIAN)	2072
M FOR CALCULATION NEAR-ZONE GAIN OF	PYRAMIDAL HORN ANTENNAE, BRH/DEP N71-3	3041
FIELDS ON ENZYMATIC ACTIVITIES AND	PYRIDOXINE LEVELS IN THE ORGANS OF WHITE RATS	1513
IENTS AND THE PRIMARY AND SECONDARY	PYROELECTRIC COEFFICIENTS OF ANIMAL BONE	2090
A	PYROELECTRIC PROBE FOR MEASUREMENT OF MICROWAVE POWER DENSITY UNDE	1102
EM FIELD ON EARLY EMBRYOGENESIS IN	QUAIL	2110
EXPOSURE OF THE JAPANESE	QUAIL EMBRYO TO 2.45 GHZ MICROWAVE RADIATION DURING THE SECOND DAY	1321
EFFECTS OF EXPOSURE OF THE JAPANESE	QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIATION	1088
EXPOSURE OF JAPANESE	QUAIL EMBRYOS TO 2.45-GHZ MICROWAVE RADIATION DURING DEVELOPMENT	2547
HUMORAL IMMUNITY OF JAPANESE	QUAIL SUBJECTED TO MICROWAVE RADIATION DURING EMBRYOGENY	2589
	QUANTIFICATION & MEASUREMENT OF INTERNAL ELECTRO- MAGNETIC FIELDS	0137
	QUANTIFICATION AND MEASUREMENT OF INDUCED FIELDS INSIDE FINITE BIO	2187
METHODS OF MICROWAVE FIELD	QUANTIFICATION FOR BIOLOGIC STUDIES	0881
	QUANTIFYING HAZARDOUS EM FIELDS: SCIENTIFIC BASIS AND PRACTICAL CO	0501
	QUANTIFYING HAZARDOUS MICROWAVE FIELDS	0118
	QUANTIFYING HAZARDOUS MICROWAVE FIELDS: ANALYSIS	1545
	QUANTIFYING HAZARDOUS MICROWAVE FIELDS: PRACTICAL CONSIDERATIONS	1546
USE OF THERMOGRAPHY FOR	QUANTITATION OF ENERGY ABSORPTION IN ANIMALS IRRADIATED WITH MICRO	1145
	QUANTITATION OF INDUCED EM FIELD PATTERNS IN TISSUE AND ASSOCIATED	1261
	QUANTITATION OF MICROWAVE BIOLOGICAL EFFECTS	2665
	QUANTITATION OF MICROWAVE RADIATION EFFECTS ON THE EYES OF RABBITS	1858
	QUANTITATIVE ANALYSIS OF YEAST CELL INACTIVATION AFTER EXPOSURE TO	0338
A SYSTEM FOR	QUANTITATIVE CHRONIC EXPOSURE OF A POPULATION OF RODENTS TO UHF FI	1693
	QUANTITATIVE EVIDENCE FOR PROTEIN DENATURATION AS THE CAUSE OF THE	3500
	QUANTITATIVE HISTOLOGICAL STUDIES ON EFFECTS OF MICROWAVE RADIATIO	2552
	QUANTITATIVE RADIATION EFFECTS IN HEMOPROTEINS AND THEIR CONSTITUE	3202
A	QUANTITIATIVE ELECTROENCEPHALOGRAPHIC STUDY OF THE ACUTE EFFECTS O	1252
MICROWAVE RADIATION--I: DOSIMETRIC	QUANTITIES FOR RF AND MICROWAVE EM FIELDS	1026
IOLOGY OF NON- IONISING RADIATIONS:	QUANTITIES , DEFINITIONS, AND UNITS OF ABSORBED EM ENERGY--AN ESSAY	1905
CHANGES IN	QUANTITY OF TOTAL SULFHYDRYL GROUP IN THE BLOOD OF INDIVIDUALS EXP	1980
USE OF OPTICAL	QUANTUM GENERATORS (LASERS) IN GYNECOLOGY (IN RUSSIAN)	1408
D STUDIES OF THE EXTREMELY LOW FRE-	QUENCY COMMUNICATION SYSTEM (A BIBLIOGRAPHY W/ABSTRACTS)	0331
S BEHIND THE BIOEFFECTS OF LOW FRE-	QUENCY ELECTROMAGNETIC FIELDS	0441
SOVIET JAMMING PROMPTS NEW HEALTH	QUESTIONS	0646

EXPERIMENTAL STUDY OF SELECTED	QUESTIONS OF THE BIOLOGICAL ACTION OF WATER BY A CONSTANT MAGNETIC	1897
-SPAN OSCILLATION OF CONDUCTORS AND	QUESTIONS OF THEIR LIMITATIONS	3592
IN MICROWAVE RESEARCH: COATING WITH	QUININE	1009
IN MICROWAVE RESEARCH: COATING WITH	QUININE	2904
S ON TRYPANOSOMATIC ORCHITIS OF THE	RABBIT	0866
AND SUBCUTANEOUS TEMPERATURE OF THE	RABBIT	0921
HE EXPERIMENTAL TRYPANOSOMES OF THE	RABBIT	1774
E AND CHRONIC EXPERIMENTAL EEG'S ON	RABBIT (IN ITALIAN)	1892
ELECTRICAL STIMUALTION OF	RABBIT AND LAMB CARCASSES	1882
OF THRESHOLD OF SENSITIVITY OF THE	RABBIT BRAIN TO PULSED SUPERHIGH-FREQUENCY EM FIELDS	1940
TUMOR ERADICATION IN THE	RABBIT BY RADIOFREQUENCY HEATING	2585
PID MODIFICATIONS BROUGHT ON IN THE	RABBIT BY THE ADMINISTRATION OF AN ALIMENTARY HYPERCHOLESTEROL REG	1775
RUGS ON BIOELECTRIC ACTIVITY OF THE	RABBIT CENTRAL NERVOUS SYSTEM	1946
ELECTRICAL REACTION OF THE	RABBIT CEREBRAL CORTEX TO VARIOUS EM FIELDS (IN RUSSIAN)	2000
CHANGES IN THE EEG OF THE	RABBIT DURING THE ACTION OF A CONSTANT MAGNETIC FIELD	0951
CHANGES IN THE	RABBIT ELECTROENCEPHALOGRAM UNDER THE THE INFLUENCE OF A STEADY MA	0064
EXPOSURE OF	RABBIT ERYTHROCYTES TO MICROWAVE RADIATION	0903
EFFECT OF MICROWAVES ON THE	RABBIT EYE	0675
ATION ON THE LENS EPITHELIUM IN THE	RABBIT EYE	1044
EFFECT OF 2450-MHZ RADIATION ON THE	RABBIT EYE	1301
AN ULTRAHIGH-FREQUENCY FIELD ON THE	RABBIT EYE	1860
35 AND 107 GHZ CW MICROWAVES ON THE	RABBIT EYE	2155
ICROWAVE IRRADIATIONS TO THE ALBINO	RABBIT EYE	2682
NGES IN ASCORBIC ACID LEVELS IN THE	RABBIT EYE	2685
ROWAVE INDUCED TEMPERATURE RISES IN	RABBIT EYES IN CATARACT RESEARCH	1271
ELD STIMULATION ON ION TRANSPORT BY	RABBIT ILEUM IN VITRO	2525
ULTRASTRUCTURAL CHANGES IN THE	RABBIT LENS INDUCED BY MICROWAVE RADIATION	1069
RADITION ON SOLUBLE PROTEINS OF THE	RABBIT LENS	0179
ASCORBIC ACID CHANGES IN CULTURED	RABBIT LENSES AFTER MICROWAVE IRRADIATION	1070
OF 2.45 GHZ MICROWAVE RADIATION ON	RABBIT SERUM COMPONENTS AND SLEEPING TIMES	0634
MICROWAVE EFFECT ON	RABBIT SUPERIOR CERVICAL GANGLION	1327
MICROWAVE EFFECT ON	RABBIT SUPERIOR CERVICAL GANGLION	2436
OF DIENCEPHALIC AREA AND CORTEX OF	RABBIT 'S CEREBRAL HEMISPHERES UNDER THE EFFECT OF BITEMPORAL DIATH	1996
N THE TESTICLES AND EPIDIDYMIDES OF	RABBIT , COMMUNICATION I	2502
CROWAVE DIATHERMY ON THE EYE OF THE	RABBIT	3367
D FORMING SYSTEM OF GUINEA PIGS AND	RABBITS	0622
ON THE SERUM CHOLESTEROL CONTENT OF	RABBITS	0693
IC LOW LEVEL MICROWAVE RADIATION ON	RABBITS	1127
UTE EFFECTS OF X-BAND MICROWAVES IN	RABBITS	1252
TS OF AN ELECTRIC FIELD ON RATS AND	RABBITS	1592
SM OF MICROWAVE CATARACTOGENESIS IN	RABBITS	2150
S OF MICROWAVE INDUCED CATARACTS IN	RABBITS	2386
HOLAMINES IN THE TISSUES OF HEALTHY	RABBITS (IN RUSSIAN)	2846
OF NEURONS ON THE VISUAL CORTEX OF	RABBITS AFTER THE ACTION OF A SUPERHIGH-FREQUENCY FIELD	1185
ON ON THE CENTRAL NERVOUS SYSTEM OF	RABBITS AND GUINEA PIGS	1492
RADIATION AND CATARACT FORMATION IN	RABBITS AND MONKEYS	1128
VE RADIATION EFFECTS ON THE EYES OF	RABBITS AT 2450 MHZ AND 918 MHZ	1858
ABSENCE OF HEART-RATE EFFECTS IN	RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATION	0695
NCTIONAL STATE OF BRAIN SYNAPSES IN	RABBITS EXPOSED CHRONICALLY TO THE ACTION OF MICROWAVES	1947
CARDIOVASCULAR CHANGES IN	RABBITS EXPOSED TO A STATIC MAGNETIC FIELD OF 600 OE (IN JAPANESE	0020
THE SLEEP PROCESS OF	RABBITS EXPOSED TO LOW INTENSITY NONIONIZING EMR. I. DEVELOPMENT	2174
HISTOLOGICAL CHANGES IN THE EYES OF	RABBITS EXPOSED TO SUPER-HIGH FREQUENCY RADIATION	0963
ER PATTERNS IN THE HEAD AND EYES OF	RABBITS EXPOSED TO TYPICAL MICROWAVE SOURCES	1864
OKED RHYTHMS OF BRAIN POTENTIALS IN	RABBITS IN A STRONG STATIC MAGNETIC FIELD (IN RUSSIAN)	2081
ACUTE STAPHYLOCOCCAL INFECTIONS IN	RABBITS IRRADIATED WITH 3-GHZ MICROWAVES	1082
RAIN FORMATIONS IN EEG REACTIONS OF	RABBITS TO A CONSTANT MAGNETIC FIELD AND TO ULTRAHIGH- AND SUPERHI	1486
CHRONIC LOW-LEVEL EXPOSURE OF	RABBITS TO MICROWAVES	2156
FFECTS OF MICROWAVES ON HYPOTHERMIC	RABBITS : A STUDY OF MICROWAVE CATARACTOGENIC MECHANISMS	1068
THE RADIATION HAZARDS (	RAD HAZ) PROGRAM ON THE FORMULATION OF STANDARDS	0461
POLITAN RADIATION HAZARDS II (METRO	RAD-HAZ II)	3615
OLITAN RADIATION HAZARDS III (METRO	RAD-HAZ III)	3616
T FOR MUTAGENIC ACTION OF MICROWAVE	RAD . IN DROSOFHILA MELANOGASTER	0368
WALL MOVEMENT BY MICROWAVE DOPPLER	RADAR	0283
DS DUE TO TOTAL BODY IRRADIATION BY	RADAR	0557
REMENT OF POWER DENSITY FROM MARINE	RADAR	0757

SCIENTIFIC APPLICATIONS OF DOPPLER	RADAR	1312
TY PRECAUTIONS FOR AIRBORNE WEATHER	RADAR	3071
A MILLIMETER-WAVE LUNAR	RADAR	3455
CROWAVE OVEN (915 AND 2450 MHZ) AND	RADAR (2810 AND 3050 MHZ) EMR ON NONCOMPETITIVE CARDIAC PACEMAKERS	0450
TS OF EXPOSURE OF LAB. PERSONNEL TO	RADAR AND HIGH FREQUENCY RADIO	0468
	RADAR AND MIGRATING BIRDS	1780
ER DENSITY ZONES IN THE VICINITY OF	RADAR ANTENNAS	2790
ROADCASTING TRANSMITTERS, AND FIXED	RADAR BY STATES AND REGIONS	2851
ROADCASTING TRANSMITTERS, AND FIXED	RADAR BY STATES AND REGIONS	3227
CHROMOSOME STUDIES OF	RADAR CENTRE STAFF EXPOSED TO EMR (IN ITALIAN)	1007
MEASUREMENT OF THE	RADAR CROSS SECTION OF A MAN	0556
ON MEASURING THE	RADAR CROSS SECTIONS OF DUCKS AND CHICKENS	3508
THE EFFECT OF MICROWAVES EMITTED BY	RADAR DEVICES ON THE TESTICLES AND EPIDIDYMIDES OF RABBIT, COMMUNI	2502
EFFECT OF	RADAR EMANATIONS ON THE HAMATOPOIETIC SYSTEM	3319
AN ANALYSIS OF	RADAR EXPOSURE IN THE SAN FRANCISCO AREA	2794
EYE PROTECTION IN	RADAR FIELDS	0579
	RADAR HAZARDS EVALUATION	3187
MARINE	RADAR HELP OR HAZARD ?	0073
KING CONDITIONS OF CIVILIAN AIRPORT	RADAR INSTALLATIONS	2558
A	RADAR INVESTIGATION OF THE EFFECTS OF EXTREMELY LOW FREQUENCY EM F	1756
IMPACT OF	RADAR IRRADIATION ON HUMAN SYSTEMS	0857
THE EFFECT OF	RADAR ON CARDIAC PACEMAKERS	1316
THE EFFECTS OF	RADAR ON THE HUMAN BODY (RESULTS OF RUSSIAN STUDIES ON THE SUBJECT	1203
HAVE	RADAR OVENS THE POTENTIAL TO DO HARM?	0961
BIOLOGICAL EFFECTS OF	RADAR RADIATION (IN FRENCH)	2633
DEVELOPMENT OF A	RADAR RADIATION PROTECTIVE SUIT FOR NAVAL PERSONNEL	2604
REENING FOR CATARACTS AMONG VETERAN	RADAR REPAIR AND MAINTENANCE TECHNICIANS	1066
OGRAPM FOR DETERMINING THE RADII OF	RADAR STATION DANGER ZONES	3578
REGIONAL LOCATION OF METEOROLOGICAL	RADAR STATIONS	1439
OF RADIATION FIELD DISTRIBUTION OF	RADAR STATIONS AT CIVIL AVIATION AIRPORTS	1438
MR FROM MILITARY COMMUNICATIONS AND	RADAR SYSTEMS	0311
ADIATION CHARACTERISTICS OF TRAFFIC	RADAR SYSTEMS	1702
OF EMC PERFORMANCE OF PULSE-DOPPLER	RADAR SYSTEMS	3512
OMAGNETIC FIELDS IN THE VICINITY OF	RADAR THERAPY EQUIPMENT (IN ITALIAN)	0077
EFFECT OF MICROWAVES EMITTED BY	RADAR TRANSMITTERS ON THE ORIGINATION OF CATARACTS	3477
CARDIAC AND NEURAL EFFECTS OF	RADAR WAVELENGTHS	1199
THE BIOLOGICAL EFFECTS OF	RADAR WAVES	0816
CURRENT IDEAS ON THE EFFECTS OF	RADAR WAVES ON LIVING ORGANISMS AND RELATED METHODS OF PROTECTION,	0451
CIRCULATORY EFFECTS OF MICROWAVES '	RADAR '	3373
FECT OF HIGH FREQUENCY RADIO WAVES (	RADAR)	0476
ERATIONS OF EXPOSURE TO MICROWAVES (	RADAR)	0604
ERATIONS OF EXPOSURE TO MICROWAVES (	RADAR)	1570
ECT OF HIGH FREQUENCY RADIO. WAVES (	RADAR)	3330
BIOLOGICAL EFFECTS OF UHF EMR (	RADAR) (IN FRENCH)	0508
AL EXPOSURE TO MICROWAVE RADIATION (	RADAR) 1950-1974	2681
F THE HEATING EFFECT OF MICROWAVES (	RADAR) IN LIVING TISSUES	3369
S OF EXPOSURE TO PULSED MICROWAVES (	RADAR) ON CENTRAL NERVOUS SYSTEM EXCITABILITY IN LAB. ANIMALS	0637
TION OF EMR OF VERY HIGH FREQUENCY (	RADAR) ON THE CENTRAL NERVOUS SYSTEM OF THE WHITE RAT. ELECTROCORT	2628
	RADAR-INDUCED FAILURE OF A DEMAND PACEMAKER	3583
ATTENTION TO IONIZING RADIATION AND	RADAR	0223
DS DUE TO TOTAL BODY IRRADIATION BY	RADAR	3322
NITY OF SEVERAL AIR TRAFFIC CONTROL	RADARS	0629
MEASUREMENTS NEAR VARIOUS AIRCRAFT	RADARS	0779
RADIATION HAZARDS FROM PHASED-ARRAY	RADARS ABOARD SHIPS	0944
RACT AFTER EXPOSURE TO NON-IONIZING	RADIANT ENERGY	2042
HUMAN EXPOSURE TO NONIONIZING	RADIANT ENERGY--POTENTIAL HAZARDS AND SAFETY STANDARDS	0534
HUMAN EXPOSURE TO NONIONIZING	RADIANT ENERGY--POTENTIAL HAZARDS AND SAFETY STANDARDS	3217
OUR WORKERS EXPOSED TO NON-IONIZING	RADIANT ENERGY?	0828
ESSOR RESPONSE-PATTERN TO ENDOTOXIN	RADIATED WITH RADIO-FREQUENCY ENERGY	3475
ON BIOLOGICAL EFFECTS OF ELECTRONIC	RADIATING EQUIPMENTS	3453
ENERGY DENSITIES OF MICROWAVE	RADIATING SYSTEMS	3459
ING WATER, GEOMAGNITISM, AND COSMIC	RADIATION	0005
ARRIER PERMEABILITY AFTER MICROWAVE	RADIATION	0021
S AFFECTED BY EXPOSURE TO MICROWAVE	RADIATION	0063
H UPDATE ON BIOEFFECTS OF MICROWAVE	RADIATION	0074

IGRATION BY WHOLE-BODY HYPERTHERMIC RADIATION 0253
N THE HEALTH EFFECTS OF NONIONIZING RADIATION 0285
ACH TO MICROWAVE AND RADIOFREQUENCY RADIATION 0314
LY INDUCED BY EXPOSURE TO MICROWAVE RADIATION 0455
ED TO MICROWAVE AND RADIO-FREQUENCY RADIATION 0484
IAL HAZARDS IN THE USE OF MICROWAVE RADIATION 0497
NDBOOK FOR IONIZING AND NONIONIZING RADIATION 0511
HYROID PATHOPHYSIOLOGY OF MICROWAVE RADIATION 0537
THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0543
BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0576
AND LONGEVITY EFFECTS OF MICROWAVE RADIATION 0577
MAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0578
ME EFFECTS ON HUMAN SUBJECTS OF UHF RADIATION 0601
ON OF ALLOWABLE LEVELS OF MICROWAVE RADIATION 0628
NERATIVE FORM PRODUCED BY MICROWAVE RADIATION 0651
NEA FOLLOWING EXPOSURE TO MICROWAVE RADIATION 0663
CTS OF MICROWAVE AND RADIOFREQUENCY RADIATION 0679
HEALTH HAZARDS FROM MICROWAVE RADIATION 0697
BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0708
HYPOGONADISM AFTER MICROWAVE RADIATION 0726
CLINICAL ASPECTS OF NONIONIZING RADIATION 0746
S OF LOW INTENSITY PULSED MICROWAVE RADIATION 0790
E OF BACTERIA TO 2450 MHZ MICROWAVE RADIATION 0793
ON OF PERSONNEL AGAINST NONIONIZING RADIATION 0795
ETRY STUDIES OF HAZARDOUS MICROWAVE RADIATION 0858
FOLLOWING IN VIVO EXPOSURE TO R. F. RADIATION 0867
OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION 0876
GENERAL EFFECTS OF MICROWAVE RADIATION 0894
MEASUREMENTS OF MICROWAVE RADIATION 0897
PUBLIC HEALTH ASPECTS OF MICROWAVE RADIATION 0898
OF RABBIT ERYTHROCYTES TO MICROWAVE RADIATION 0903
ADIOFREQUENCY EM WAVES AND IONIZING RADIATION 0910
BY EXTREMELY LOW LEVELS OF COHERENT RADIATION 0947
BIOLOGICAL ASPECTS OF ULTRAVIOLET RADIATION 0953
ITS EXPOSED TO SUPER-HIGH FREQUENCY RADIATION 0963
HAZARDS OF HIGH FREQUENCY RADIATION 1001
NDUCED BY THE ACTION OF NONIONIZING RADIATION 1048
HE RABBIT LENS INDUCED BY MICROWAVE RADIATION 1069
QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIATION 1088
AVIORAL EFFECTS OF PULSED MICROWAVE RADIATION 1096
TIVATION BY LOW-INTENSITY MICROWAVE RADIATION 1111
SIOLOGICAL EFFECT OF 3-CM MICROWAVE RADIATION 1118
IAGNOSTIC APPLICATIONS OF MICROWAVE RADIATION 1191
: EFFECTS OF HANDLING AND MICROWAVE RADIATION 1201
BIOLOGICAL EFFECTS OF NON-IONIZING RADIATION 1216
SOURCES OF ENVIRONMENTAL MICROWAVE RADIATION 1284
BIOMEDICAL APPLICATIONS OF EM RADIATION 1300
ACTOGENIC EFFECTS OF RADIOFREQUENCY RADIATION 1313
LIVER FOLLOWING 2450 MHZ MICROWAVE RADIATION 1314
ONS OF HEMOPOIESIS DUE TO MICROWAVE RADIATION 1346
TO HEALTH IMPLICATIONS OF MICROWAVE RADIATION 1368
TO HEALTH IMPLICATIONS OF MICROWAVE RADIATION 1369
NONIONIZING RADIATION 1382
FORECASTING THE INTENSITY OF UHF RADIATION 1395
MITOCHONDRIA ON SUPERHIGH FREQUENCY RADIATION 1403
RATS EXPOSED TO 2450 MHZ MICROWAVE RADIATION 1433
NTINUOUS AND INTERMITTENT MICROWAVE RADIATION 1449
NEURAL EFFECTS OF MICROWAVE RADIATION 1465
IN RESPONSE TO SUPER-HIGH FREQUENCY RADIATION 1484
MICROWAVE AND OTHER RADIO FREQUENCY RADIATION 1522
HEAT STRESS DUE TO R. F. RADIATION 1524
TIONALLY EXPOSED TO RADIO FREQUENCY RADIATION 1532
CELLULAR EFFECTS OF MICROWAVE RADIATION 1536
VIORAL EFFECTS OF LOW INTENSITY UHF RADIATION 1542
ICAL EFFECTS OF MICROWAVE AND R. F. RADIATION 1551

TION CATARACTS INDUCED BY MICROWAVE	RADIATION	1574
HE INTENSITY OF ULTRAHIGH-FREQUENCY	RADIATION	1694
ERE MODELS EXPOSED TO UHF/MICROWAVE	RADIATION	1715
MICROWAVE	RADIATION	1776
E NERVE MEMBRANE EXPOSED TO OPTICAL	RADIATION	1839
HANGES OF RATS EXPOSED TO MICROWAVE	RADIATION	1848
BEHAVIORAL SUPPRESSION BY 383-MHZ	RADIATION	1849
OCCUPATIONALLY EXPOSED TO MICROWAVE	RADIATION	1854
YSTEM TO 'SAFE' LEVELS OF MICROWAVE	RADIATION	1929
F LIVING CELLS INDUCED BY MICROWAVE	RADIATION	1962
NA EXPOSED TO 2450 MHZ CW MICROWAVE	RADIATION	1972
ED PHYSIOLOGIC EFFECTS OF MICROWAVE	RADIATION	1985
MICROWAVE	RADIATION	2017
OVERVIEWS ON NONIONIZING	RADIATION	2021
ENVIRONMENTAL ASPECTS OF MICROWAVE	RADIATION	2138
BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION	2139
RESPONSES TO WEAK, PULSED MICROWAVE	RADIATION	2145
R BY LOW LEVELS OF PULSED MICROWAVE	RADIATION	2161
MUTAGENICITY CAUSED BY NON-IONIZING	RADIATION	2177
S DIELECTRIC RECEPTORS OF MICROWAVE	RADIATION	2218
CUPATIONAL EXPOSURE TO NON-IONIZING	RADIATION	2220
NFLUENCE OF LOW-INTENSITY MICROWAVE	RADIATION	2260
NFLUENCE OF LOW-INTENSITY MICROWAVE	RADIATION	2261
GICAL PROCESSES CAUSED BY MICROWAVE	RADIATION	2266
AN WORK ON THE HAZARDS OF MICROWAVE	RADIATION	2286
RMANCE EFFECTS OF CHRONIC MICROWAVE	RADIATION	2288
O-RETINAL INJURIES DUE TO MICROWAVE	RADIATION	2311
E EFFECT OF NONIONIZING (MICROWAVE)	RADIATION	2331
L ABERRATIONS BY 2450 MHZ MICROWAVE	RADIATION	2344
CTS OF MICROWAVE AND RADIOFREQUENCY	RADIATION	2368
ND EXPOSURE STANDARDS FOR MICROWAVE	RADIATION	2380
MAL BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION	2387
OSED TO LOW POWER DENSITY MICROWAVE	RADIATION	2412
YING BIOLOGICAL INTERACTION WITH EM	RADIATION	2425
ON PROTECTION AGAINST NON-IONIZING	RADIATION	2477
OF THE NERVOUS SYSTEM TO MICROWAVE	RADIATION	2484
AL EFFECTS OF EXPOSURE TO MICROWAVE	RADIATION	2500
U.S. NAVY'S PROGRAM IN NON-IONIZING	RADIATION	2519
LOW IN TUMORS HEATED WITH MICROWAVE	RADIATION	2530
OCULAR EFFECTS OF MICROWAVE	RADIATION	2570
OCULAR EFFECTS OF MICROWAVE	RADIATION	2571
AL EFFECTS AND HAZARDS OF MICROWAVE	RADIATION	2616
ED TO 15- AND 20-MHZ RADIOFREQUENCY	RADIATION	2644
AVOIDANCE AND ESCAPE FROM MICROWAVE	RADIATION	2659
E AVERSION AS A FUNCTION OF 915 MHZ	RADIATION	2660
EATED EXPOSURE TO 915 MHZ MICROWAVE	RADIATION	2672
R DIFFERING DOSE RATES OF MICROWAVE	RADIATION	2745
RONS IN THE CAT TO PULSED MICROWAVE	RADIATION	2758
TER MULTIPLE EXPOSURES TO MICROWAVE	RADIATION	2763
NONIONIZING ELECTROMAGNETIC	RADIATION	2795
EXPOSED TO 2450 MHZ (CW) MICROWAVE	RADIATION	2799
RING EXPOSURE TO 2450 MHZ MICROWAVE	RADIATION	2821
LOW DOSE PRENATAL 915 MHZ MICROWAVE	RADIATION	2864
TO USSR ON THE SUBJECT OF MICROWAVE	RADIATION	2868
UPTION OF PREGNANCY USING MICROWAVE	RADIATION	2876
E OF BACTERIA TO 2450 MHZ MICTOWAVE	RADIATION	2993
OLOGICAL EFFECTS OF RADIO-FREQUENCY	RADIATION	3005
ARDS OF NONIONIZING ELECTROMAGNETIC	RADIATION	3089
EFFECTS OF IONIZING AND NONIONIZING	RADIATION	3090
BIOMEDICAL ASPECTS OF NONIONIZING	RADIATION	3096
TER 13, NONIONIZING ELECTROMAGNETIC	RADIATION	3136
ED TO MICROWAVE AND RADIO-FREQUENCY	RADIATION	3144
CHAPTER 7, NONIONIZING	RADIATION	3154
OF NON-IONIZING ELECTRONIC PRODUCT	RADIATION	3183
OF HAZARDS TO HEALTH FROM MICROWAVE	RADIATION	3190

ROLONGED ELECTROMAGNETIC METER-WAVE	RADIATION		3193
AL EFFECTS OF EXPOSURE TO MICROWAVE	RADIATION		3389
SYSTEM OF MICE BY ELECTRO-MAGNETIC	RADIATION		3424
THE BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION		3458
ASUREMENT OF MICROWAVE AND INFRARED	RADIATION		3547
OF MILLIMETER-BAND ELECTROMAGNETIC	RADIATION		3581
EXPOSE MOSCOW EMBASSY TO MICROWAVE	RADIATION		3599
OLOGICAL EFFECTS OF RADIO-FREQUENCY	RADIATION		3606
CATARACTS AND ULTRA-HIGH-FREQUENCY	RADIATION		3607
ED TO MICROWAVE AND RADIO-FREQUENCY	RADIATION		3622
THE CUMULATIVE EFFECT OF MICROWAVE	RADIATION	(2,450 MHZ) ON THE IMMUNE RESPONSE OF THE MOUSE	0312
OOD OF THE RAT EXPOSED TO MICROWAVE	RADIATION	(2400 MHZ) IN CONDITIONS OF CHRONIC EXPOSURE	0682
THE EFFECT OF MICROWAVE	RADIATION	(2450 MHZ) ON THE MORPHOLOGY AND CHROMOSOMES OF LYMPHOCY	2751
SOCIATED WITH PULSED HIGH FREQUENCY	RADIATION	(27.12MHZ)	2203
EFFECT OF MICROWAVE	RADIATION	(2MHZ) ON THE PITUTITARY-TESTICULAR AXIS IN THE WHITE RA	3400
BIOLOGICAL EFFECTS OF RADAR	RADIATION	(IN FRENCH)	2633
FISH STRETCH RECEPTOR FOR MICROWAVE	RADIATION	(IN JAPANESE)	1948
MICROWAVE	RADIATION	(IN POLISH)	1622
THIN THE RANGE OF EM HIGH FREQUENCY	RADIATION	(IN POLISH)	2018
BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION	(IN POLISH)	2354
MICROWAVE	RADIATION	(MR) HEATING OF SURFACE TUMORS	2322
OCCUPATIONAL EXPOSURE TO MICROWAVE	RADIATION	(RADAR) 1950-1974	2681
T OF DOSIMETRY FOR RF AND MICROWAVE	RADIATION	- II: CALCULATIONS OF ABSORBED DOSE DISTRIBUTIONS IN TWO	3600
T OF DOSIMETRY FOR RF AND MICROWAVE	RADIATION	- III: DOSE RATE DISTRIBUTION IN TISSUE SPHERES DUE TO M	3601
OLOGICAL EFFECTS OF ELECTROMAGNETIC	RADIATION	A BIBLIOGRAPHY	2964
MEASUREMENT OF MICROWAVE	RADIATION	ABSORBED BY BIOLOGICAL SYSTEMS, 1, ANALYSIS OF HEATING A	2729
MEASUREMENT OF MICROWAVE	RADIATION	ABSORBED BY BIOLOGICAL SYSTEMS, 2, ANALYSIS BY DEWAR-FLA	2730
RF	RADIATION	ABSORPTION PATTERNS: HUMAN AND ANIMAL MODELING DATA	2792
MICROWAVE	RADIATION	ALTERS PERISTALTIC ACTIVITY OF ISOLATED SEGMENTS OF RAT	2748
RADIOFREQUENCY	RADIATION	ALTERS THE IMMUNE SYSTEM: MODULATION OF IN VIVO LYMPHOCY	0253
RADIOFREQUENCY	RADIATION	ALTERS THE IMMUNE SYSTEM: MODULATION OF T-AND B-LYMPHOCY	0171
MICROWAVE	RADIATION	AND CHLORDIAZEPOXIDE: SYNERGISTIC EFFECTS ON FIXED INTER	0103
E STUDY OF THE EFFECTS OF MICROWAVE	RADIATION	AND CONVENTIONAL HEATING ON THE REPRODUCTIVE CAPACITY OF	2925
PARENTAL	RADIATION	AND DOWN'S SYNDROME, WITH PARTICULAR ATTENTION TO IONIZI	0223
S ON CARDIAC PACEMAKERS OF IONIZING	RADIATION	AND ELECTROMAGNETIC INTERFERENCE FROM RADIOTHERAPY MACHI	3417
RADIO AND MICROWAVE	RADIATION	AND EXPERIMENTAL ATHEROSCLEROSIS	0678
AL ENVIRONMENTAL FACTORS (MICROWAVE	RADIATION	AND HIGH VOLTAGE TRANSMISSION LINE EFFECTS)	2369
MICROWAVE	RADIATION	AND HUMAN TOLERANCE: A REVIEW	0598
BINED EFFECT OF ULTRAHIGH-FREQUENCY	RADIATION	AND HYPEROXIA ON ANIMALS	2826
	RADIATION	AND HYPERTHERMIA	0327
TED BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION	AND IDENTIFICATION OF POTENTIALLY SUSCEPTIBLE POPULATION	3557
NERGISTIC EFFECT OF RADIO FREQUENCY	RADIATION	AND IONIZING RADIATION ON THE HUMAN ORGANISM	0228
	RADIATION	AND MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCE	0012
MICROWAVE	RADIATION	AND OTHER HARMFUL FACTORS OF WORKING ENVIRONMENT IN RADI	1138
TH HAZARDS FROM ELECTRONIC FRODCUCT	RADIATION	AND OTHER TYPES OF 'ONIXING RADIATION, BRH/DEP 70-28	3035
TH PARTICULAR ATTENTION TO IONIZING	RADIATION	AND RADAR	0223
GUIDES FOR MICROWAVES, ULTRAVIOLET	RADIATION	AND RADIATION FROM LASERS AND TELEVISION RECEIVERS	0597
LOW INTENSITY MICROWAVE	RADIATION	AND THE VIRULENCE OF AGROBACTERIUM TUMEFACIENS STRAIN B6	0022
POTENTIAL HAZARDS OF HERTZIAN	RADIATION	AND TUMORS	2374
SESSED THROUGH THE USE OF MICROWAVE	RADIATION	AS A MEANS OF TISSUE FIXATION	2517
A NON-THERMAL EFFECT OF MICROWAVES	RADIATION	AS A POTENTIAL HAZARD TO HEALTH	2019
EM	RADIATION	AS A TOOL IN THE LIFE SCIENCES	0507
ITY IN RATS EXPOSED TO CW MICROWAVE	RADIATION	AT 0.95, 2.45, 4.54, AND 7.44 GHZ	1388
CLEASE DURING EXPOSURE TO MICROWAVE	RADIATION	AT 1.70 AND 2.45 GHZ	3362
PERSONS EXPOSED TO ELECTROMAGNETIC	RADIATION	AT 27-30 MHZ FREQUENCY	3431
EXPERIMENTALLY INDUCED BY MICROWAVE	RADIATION	AT 55 MW/CM2	0181
ES UNDER THE INFLUENCE OF MICROWAVE	RADIATION	AT HIGH INTENSITIES	2258
STICS OF THE INFLUENCE OF MICROWAVE	RADIATION	AT HIGH INTENSITIES ON THE ORGANISM	2256
S DIELECTRIC RECEPTORS OF MICROWAVE	RADIATION	AT KU-BAND FREQUENCIES	1830
AL AND THERMAL EFFECTS OF MICROWAVE	RADIATION	AT RESONANT AND NONRESONANT WAVELENGTHS	2761
EFFECTS OF MICROWAVE	RADIATION	AT THE CELLULAR AND MOLECULAR LEVEL	0896
DISCUSSION: EFFECTS OF MICROWAVE	RADIATION	AT THE CELLULAR AND MOLECULAR LEVEL	3268
A NEW	RADIATION	BALANCE MICROWAVE THERMOGRAPH FOR SIMULTANEOUS AND INDEP	0255
OLOGICAL EFFECTS OF RADIO FREQUENCY	RADIATION	BIBLIOGRAPHY	0608
A MICROWAVE POWER CONTROLLER FOR A	RADIATION	BIO-EFFECTS EXPOSURE FACILITY	3384

	RADIATION BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1967	3574
	RADIATION BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1968	3575
	RADIATION BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1970	3495
	RADIATION BIO-EFFECTS SUMMARY REPT., JAN.-DEC. 1968	0599
ENDS IN NONIONIZING ELECTROMAGNETIC	RADIATION BIOEFFECTS RESEARCH AND RELATED OCCUPATIONAL HEALTH ASPE	3392
LOW-TEMPERATURE EXPERIMENTS IN	RADIATION BIOPHYSICS (IN NORWEGIAN)	2597
TION OF THE ABSORPTION OF MICROWAVE	RADIATION BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWAVE FIELD	0744
TION OF THE ABSORPTION OF MICROWAVE	RADIATION BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWAVE FIELD	3091
TION OF THE ABSORPTION OF MICROWAVE	RADIATION BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWAVE FIELD	3257
CONDUCTED AT TUFTS U.--EXPERIMENTAL	RADIATION CATARACTS INDUCED BY MICROWAVE RADIATION	1574
	RADIATION CHARACTERISTICS OF TRAFFIC RADAR SYSTEMS	1702
NT OF REGULATORY PROGRAMS UNDER THE	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968	0472
	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968	0619
REPORT, 1975, ADMINISTRATION OF THE	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968	3137
REPORT ON THE ADMINISTRATION OF THE	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 COVERING 1970	2935
REPORT ON THE ADMINISTRATION OF THE	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 COVERING 1972	3072
REPORT ON THE ADMINISTRATION OF THE	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 COVERING 1973	3108
E CONGRESS ON THE ADMINISTRATION OF	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 PUBLIC LAW 90-	1295
NUAL REPORT: ADMINISTRATION OF THE	RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968, PUBLIC LAW 90	2544
REPORT OF THE ADMINISTRATION OF THE	RADIATION CONTROL FOR HEALTH AND SAFETY ACY OF 1968, COVERING 1969	2991
AGENCY,S RESPONSE TO ENVIRONMENTAL	RADIATION CONTROL ISSUES	3001
FEDERAL/STATE	RADIATION CONTROL LEGISLATION 1973	3095
FEDERAL/STATE	RADIATION CONTROL LEGISLATION 1974	3143
OF INTENTION TO AMEND ARTICLE 175 -	RADIATION CONTROL OF THE NEW YORK CITY HEALTH CODE PERTAINING TO M	3623
TION PROTECTION TRAINING MANUAL FOR	RADIATION CONTROL. LECTURES, DEMONSTRATIONS, LABORATORIES AND TOU	2394
MODIFICATION OF THE REPAIR OF	RADIATION DAMAGE OF HAEMATOPOIESIS IN MICE BY MICROWAVES	1136
INEXPENSIVE, PORTABLE	RADIATION DETECTOR KEEPS TABS ON RADIO-RELAY AND MICROWAVE-OVEN LE	0872
A REVIEW OF DETERMINATIONS OF	RADIATION DOSE TO THE ACTIVE BONE MARROW FROM DIAGNOSTIC X-RAY EXA	3083
HAD YOUR	RADIATION DOSE TODAY?	1877
INNOVATIVE NOTEBOOK: HAD YOUR	RADIATION DOSE TODAY?	2909
ESTIMATES OF IONIZING	RADIATION DOSES IN THE UNITED STATES 1960-2000	2960
RADIOFREQUENCY	RADIATION DOSIMETRY HANDBOOK	0878
ESCRIPTIVE SUMMARY: RADIO-FREQUENCY	RADIATION DOSIMETRY HANDBOOK	2735
RADIOFREQUENCY	RADIATION DOSIMETRY HANDBOOK	2927
OF DYNAMIC STUDIES ON THE NATURE OF	RADIATION DURING A WORK SHIFT	1437
QUAIL EMBRYOS TO 2.45-GHZ MICROWAVE	RADIATION DURING DEVELOPMENT	2547
PANESE QUAIL SUBJECTED TO MICROWAVE	RADIATION DURING EMBRYOGENY	2589
RESPONSES OF THE MOUSE TO MICROWAVE	RADIATION DURING ESTROUS CYCLE AND PREGNANCY	0930
QUAIL EMBRYO TO 2.45 GHZ MICROWAVE	RADIATION DURING THE SECOND DAY OF DEVELOPMENT	1321
ENHANCEMENT OF IONIZING	RADIATION EFFECT ON THE TESTES OF RATS BY MICROWAVE OR ULTRASOUND-	0125
QUANTITATIVE	RADIATION EFFECTS IN HEMOPROTEINS AND THEIR CONSTITUENTS	3202
	RADIATION EFFECTS ON THE EYE	0480
QUANTITATION OF MICROWAVE	RADIATION EFFECTS ON THE EYES OF RABBITS AT 2450 MHZ AND 918 MHZ	1858
MICROWAVE	RADIATION EFFECTS PROGRAM	0747
STUDY OF NONIONIZING MICROWAVE	RADIATION EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REA	0277
ADMITTANCE AND	RADIATION EFFICIENCY OF THE HUMAN BODY IN THE RESONANCE REGION	3528
ICAL SIGNIFICANCE OF RADIOFREQUENCY	RADIATION EMISSION ON CARDIAC PACEMAKER PERFORMANCE	2199
N THE MEASUREMENT AND EVALUATION OF	RADIATION EMISSIONS FROM MICROWAVE OVENS	3053
MEASUREMENTS OF THE	RADIATION EMISSIONS FROM THE NUVE-LITE DENTAL APPLIANCE	3624
ICAL SIGNIFICANCE OF RADIOFREQUENCY	RADIATION EMISSSION ON CARDIAC PACEMAKER PERFORMANCE	1777
CONTROL OF NON-IONIZING	RADIATION EMITTING DEVICES IN CANADA	2058
RAPHIC INTERFEROMETER FOR MEASURING	RADIATION ENERGY DEPOSITION PROFILES IN TRANSPARENT LIQUIDS	3301
BIOLOGICAL SYSTEMS UNDER MICROWAVE	RADIATION EXPOSURE	2291
ESTIMATES FOR THE MAJOR SOURCES OF	RADIATION EXPOSURE	2975
A RADIOFREQUENCY	RADIATION EXPOSURE APPARATUS	1292
	RADIATION EXPOSURE CONSIDERATIONS WHEN EMPLOYING MICROWAVE- EXCITE	2567
	RADIATION EXPOSURE FROM INDUSTRIAL MICROWAVE APPLICATIONS	0686
	RADIATION EXPOSURE IN PARENTS OF CHILDREN WITH MONGOLISM (DOWN'S S	2035
NONIONIZING	RADIATION EXPOSURE IN URBAN AREAS OF THE UNITED STATES	2056
	RADIATION EXPOSURE OVERVIEW-MICROWAVE OVENS AND THE PUBLIC-OCS 69-	3047
ENVIRONMENTAL NONIONIZING	RADIATION EXPOSURE: A PRELIMINARY ANALYSIS OF THE PROBLEM AND CONT	3110
N OF LUMINOUS BACTERIA TO MICROWAVE	RADIATION EXPOSURES IN THE FREQUENCY RANGE OF 2608.7-3082.3 MC	3220
BLIC FROM ENVIRONMENTAL NONIONIZING	RADIATION EXPOSURES	0362
METHODS FOR THE INVESTIGATION OF	RADIATION FIELD DISTRIBUTION OF RADAR STATIONS AT CIVIL AVIATION A	1438
IOMETER FOR STUDYING HIGH-INTENSITY	RADIATION FIELD STRUCTURES	1708

OF PRELIMINARY MEASUREMENTS OF EM	RADIATION	FIELDS NEAR MICROWAVE OVENS	0571
VESTIGATION OF THE USE OF MICROWAVE	RADIATION	FOR PULMONARY DIAGNOSTICS	1241
THE USE OF NON-IONIZING	RADIATION	FOR THERAPEUTIC HEATING	2221
EMISSION OF INTENSE MICROWAVE	RADIATION	FROM AN AUTOMODULATED RELATIVISTIC ELECTRON BEAM	0956
IMPROVED SUPPRESSION OF	RADIATION	FROM AUTOMOBILES USED BY THE GENERAL PUBLIC	1303
CHARACTERISTICS OF ELECTROMAGNETIC	RADIATION	FROM GAP-TYPE SPARK DISCHARGES ON ELECTRIC POWER DISTRIB	3181
RE TO HAZARDOUS LEVELS OF MICROWAVE	RADIATION	FROM HIGH POWER SOURCES	1422
RE TO HAZARDOUS LEVELS OF MICROWAVE	RADIATION	FROM HIGH POWER SOURCES	3251
CROWAVES, ULTRAVIOLET RADIATION AND	RADIATION	FROM LASERS AND TELEVISION RECEIVERS	0597
ROWAVES, ULTRAVIOLET RADIATION, AND	RADIATION	FROM LASERS AND TELEVISION RECEIVERS--AN ANNOTATED BIBLI	0562
SPURIOUS	RADIATION	FROM MICROWAVE OVENS	0347
PACEMAKERS AND EMI FROM THERAPEUTIC	RADIATION	GENERATING MACHINES	2316
EFFECTS OF NON-IONIZING	RADIATION	GIVEN PRIORITY STATUS BY CONGRESS	2468
SERVATIONAL EVIDENCE THAT SHORTWAVE	RADIATION	GIVES ORIENTATION TO VARIOUS INSECTS MOVING ACROSS HARD-	0916
D EVALUATION OF CICOIL 'PERSONAL RF	RADIATION	HAZARD DETECTOR'	0214
LONG RANGE	RADIATION	HAZARD EXPERIMENT GETS UNDERWAY USING HUMAN VOLUNTEERS	0681
NEW TECHNIQUES FOR MICROWAVE	RADIATION	HAZARD MONITORING	0539
USA STANDARD RADIO FREQUENCY	RADIATION	HAZARD WARNING SYMBOL	3627
MICROWAVE	RADIATION	HAZARDS	0466
SOME TECHNICAL ASPECTS OF MICROWAVE	RADIATION	HAZARDS	0542
RADIO FREQUENCY	RADIATION	HAZARDS	0554
ECHNICAL MANUAL FOR RADIO-FREQUENCY	RADIATION	HAZARDS	0590
EQUIPMENT SURVEYS FOR RF	RADIATION	HAZARDS	0775
NONIONIZING	RADIATION	HAZARDS	1423
DS C95 COMMITTEE ON RADIO FREQUENCY	RADIATION	HAZARDS	2274
INTENSITIES FOR PROTECTION AGAINST	RADIATION	HAZARDS	2835
METROPOLITAN	RADIATION	HAZARDS	2973
	RADIATION	HAZARDS	2983
ELECTROMAGNETIC INTERFERENCE AND	RADIATION	HAZARDS	2994
SURVEY OF RADIO FREQUENCY	RADIATION	HAZARDS	3466
RF	RADIATION	HAZARDS	3480
EMC AND	RADIATION	HAZARDS	3535
SURVEY OF RADIO FREQUENCY	RADIATION	HAZARDS	3541
SURVEY OF RADIO FREQUENCY	RADIATION	HAZARDS	3572
SURVEY OF RADIO FREQUENCY	RADIATION	HAZARDS	3573
	RADIATION	HAZARDS (AGARD LECTURE SERIES NO. 78)	3149
METROPOLITAN	RADIATION	HAZARDS (II)	2989
THE	RADIATION	HAZARDS (RAD HAZ) PROGRAM ON THE FORMULATION OF STANDARD	0461
METROPOLITAN	RADIATION	HAZARDS 3RD	2997
	RADIATION	HAZARDS AND INTERFERENCE ANALYSIS OF A PROPOSED LORAN-C	3597
VHF-UHF	RADIATION	HAZARDS AND SAFETY GUIDELINES	2942
A REVIEW OF MICROWAVE	RADIATION	HAZARDS AND SAFETY STANDARDS	1262
MICROWAVE	RADIATION	HAZARDS AROUND LARGE MICROWAVE ANTENNA	0515
ANALYSIS OF ELECTROMAGNETIC	RADIATION	HAZARDS AT PATUXENT RIVER NAVAL AIR TEST CENTER (MARYLAN	3596
REPORT ON RESEARCH PROJECT TO STUDY	RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS	2979
L REPT. ON RESEARCH PROJECT O STUDY	RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL	1424
REPT. ON RESEARCH PROJECT TO STUDY	RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL	1425
RESEARCH PROJECT TO STUDY	RADIATION	HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL	3519
	RADIATION	HAZARDS CAUSED BY HIGH-POWER, HIGH-FREQUENCY FIELDS	3509
AVOIDANCE OF	RADIATION	HAZARDS FROM MICROWAVE ANTENNAS	1223
	RADIATION	HAZARDS FROM MICROWAVE SOURCES WITH MOBILE ANTENNAS CER	0882
DETERMINING THE POTENTIAL PERSONNEL	RADIATION	HAZARDS FROM PHASED-ARRAY RADARS ABOARD SHIPS	0944
	RADIATION	HAZARDS FROM THERAPEUTIC MICROWAVE DIATHERMY	2464
METROPOLITAN	RADIATION	HAZARDS II (METRO RAD-HAZ II)	3615
METROPOLITAN	RADIATION	HAZARDS III (METRO RAD-HAZ III)	3616
R THE PREVENTION OF RADIO FREQUENCY	RADIATION	HAZARDS IN THE USE OF ELECTRIC BLASTING CAPS	3131
MICROWAVE	RADIATION	HAZARDS PROBLEMS IN THE U. S. ARMY	1566
ING TEST PROCEDURE: RADIO FREQUENCY	RADIATION	HAZARDS TO PERSONNEL	2605
RADIO FREQUENCY	RADIATION	HAZARDS TO PERSONNEL AT FREQUENCIES BELOW 30 MHZ	1549
OCCUPATIONAL HEALTH AND	RADIATION	HAZARDS	0176
RF POWER DENSITIES ASSOCIATED WITH	RADIATION	HAZARDS	3305
PROTECTIVE MEASURES FOR MICROWAVE	RADIATION	HAZARDS: 750 TO 30,000 MC	0530
	RADIATION	HEALTH HAZARDS AND PROTECTION	3540
RADIOFREQUENCY	RADIATION	HEALTH HAZARDS CONTROL	1024
UCERS AND AS RECEPTORS OF MICROWAVE	RADIATION	I. BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS	2458

UCERS AND AS RECEPTORS OF MICROWAVE	RADIATION II. BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE	2218
TIONS INDUCED BY 2450 MHZ MICROWAVE	RADIATION IN A TRILAYERED SPHERICAL PHANTOM	1816
INVESTIGATE THE EFFECT OF MICROWAVE	RADIATION IN BIOLOGICAL SYSTEMS	1175
THE EFFECTS OF IONIZING	RADIATION IN COMBINATION WITH MICROWAVES ON THE PERMEABILITY OF HI	1501
CTS OF MICROWAVE AND RADIOFREQUENCY	RADIATION IN CRITICAL REVIEWS IN ENVIRONMENTAL CONTROL	3210
THE UTILIZATION OF MICROWAVE	RADIATION IN DEVELOPMENTAL BIOLOGY RESEARCH	2877
AND BEHAVIORAL EFFECTS OF MICROWAVE	RADIATION IN HUMANS	0568
AND BEHAVIORAL EFFECTS OF MICROWAVE	RADIATION IN HUMANS	3234
THERMAL	RADIATION IN METABOLIC CHAMBERS	3224
DIAGNOSTIC APPLICATION OF MICROWAVE	RADIATION IN PULMONARY MEDICINE	2202
TITIVE BEHAVIOR BY PULSED MICROWAVE	RADIATION IN RATS	2164
ECTS OF CHRONIC LOW LEVEL MICROWAVE	RADIATION IN RATS	2165
MICROWAVE	RADIATION IN RELATION TO BIOLOGICAL SYSTEMS AND NEURAL ACTIVITY	3603
THE BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION IN RELATION TO THE EYE	0732
WHOLE-BODY DOSIMETRY OF MICROWAVE	RADIATION IN SMALL ANIMALS: THE EFFECT OF BODY MASS AND EXPOSURE G	2736
UTAGENICITY INDUCED BY NON-IONIZING	RADIATION IN SWISS MALE MICE	2178
BIOLOGIC EFFECTS OF	RADIATION IN THE 30-300 MHZ RANGE	1276
THE BIOLOGICAL EFFECT OF MICROWAVE	RADIATION IN THE DEPT. OF PHYSICAL INJURY AT THE INST. OF INDUSTRI	1922
THE USE OF MICROWAVE	RADIATION IN THE DETERMINATION OF ACETYLCHOLINE IN THE RAT BRAIN	2516
NONIONIZING	RADIATION IN THE ENVIRONMENT	2941
CYTOLOGIC ASPECT OF RF	RADIATION IN THE MONKEY	2030
THERMAL LEVEL OF 2450 MHZ MICROWAVE	RADIATION IN THE PREGNANT RAT	2865
N EXPOSURE TO VHF AND UHF BROADCAST	RADIATION IN THE UNITED STATES	0104
EN 2450-MHZ MICROWAVES AND IONIZING	RADIATION IN TRIBOLIUM CONFUSUM	0035
NON-THERMAL EFFECT OF MICROWAVE	RADIATION IN VITRO ON PERITONEAL MAST CELLS OF THE RAT	2033
MOREGULATORY RESPONSES TO MICROWAVE	RADIATION IN YOUNG MALE RATS	1434
	RADIATION INCIDENTS REGISTRY REPT. 1970	1296
BIOLOGICAL CHANGES AS INDICATORS OF	RADIATION INJURY	2574
MICROWAVE	RADIATION INSTRUMENTATION	0178
WAVEGUIDE SLOT ARRAY WITH CONSTANT	RADIATION INTENSITY	2740
REPT. OF THE EASTERN ENVIRONMENTAL	RADIATION LAB.: JANUARY-DECEMBER 1970	2575
REPORT OF THE EASTERN ENVIRONMENTAL	RADIATION LABORATORY, JAN.- DEC. 1970	2955
PROTECTION AGAINST MICROWAVE OVEN	RADIATION LEAKAGE	0830
	RADIATION LEAKAGE CONTROL OF A RADIOFREQUENCY INDUSTRIAL SYSTEM	2055
	RADIATION LEAKAGE CONTROL OF INDUSTRIAL MICROWAVE POWER DEVICES	0788
BACKGROUND	RADIATION LEVEL LIES NEAR 'DANGER' MARK	1178
BROADCAST	RADIATION LEVELS	1478
AN ANALYSIS OF BROADCAST	RADIATION LEVELS IN HAWAII	2610
NONIONIZING	RADIATION LEVELS IN THE WASHINGTON, D. C., AREA	0567
RADIO-FREQUENCY	RADIATION LEVELS IN URBAN AREAS	2734
RADIOFREQUENCY AND MICROWAVE	RADIATION LEVELS RESULTING FROM MAN-MADE SOURCES IN THE WASHINGTON	0913
TESTS SHOW COMMON	RADIATION MAY CAUSE SERIOUS MALFUNCTIONS IN PACEMAKERS	2003
NONIONIZING	RADIATION MEASUREMENT CAPABILITIES: STATE AND FEDERAL AGENCIES	0755
AN ULTRA-BROADBAND PROBE FOR RF	RADIATION MEASUREMENTS	2279
RESULTS OF THE EPA ENVIRONMENTAL RE	RADIATION MEASUREMENTS PROGRAM	0075
ELECTROMAGNETIC	RADIATION METER	2949
A LOW FREQUENCY H-FIELD	RADIATION MONITOR	2200
LIQUID CRYSTAL ELECTROMAGNETIC	RADIATION MONITOR	2375
A LIQUID CRYSTAL CALORIMETER FOR	RADIATION MONITORING	1143
ROM 10 KHZ TO 10 GHZ FOR EVALUATING	RADIATION MONITORS	0251
MICROWAVE	RADIATION NOT KNOWN TO BE TERATOGENIC	2592
MICROWAVE	RADIATION NOT KNOWN TO BE TERATOGENIC	2926
METERLESS MONITORING OF	RADIATION NOW IN SIGHT	2470
MICROWAVE	RADIATION OF 10 MW/CM AND FACTORS THAT INFLUENCE BIOLOGICAL EFFECT	2137
RVIVAL OF RATS EXPOSED TO MICROWAVE	RADIATION OF 24,000 MEGACYCLES	0469
BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION OF 24,000 MEGACYCLES	2136
IOLOGICAL EFFECTS OF HYPERFREQUENCY	RADIATION OF LOW POWER DENSITIES (IN FRENCH)	2631
T OF A NEW METHOD OF HEPATECTOMY BY	RADIATION OF MICROWAVES	0919
FOCAL HYPERTHERMIA AS INDUCED BY RF	RADIATION OF SIMULACRA WITH EMBEDDED TUMORS AND AS INDUCED BY EM F	2732
OLOGICAL EFFECTS OF ELECTROMAGNETIC	RADIATION ON AN AVIAN SPECIES	0140
R PULSED AND LOW LEVEL CW MICROWAVE	RADIATION ON AN OPERANT BEHAVIOR IN RATS	1310
EFFECTS OF MICROWAVE	RADIATION ON APLYSIAN GANGLION CELLS	2421
THE EFFECTS OF MICROWAVE	RADIATION ON BEHAVIOR AND TEMPERATURE IN RHESUS MONKEYS	2158
EFFECTS OF LOW-LEVEL MICROWAVE	RADIATION ON BEHAVIORAL BASELINES	1094
INFLUENCE OF EM	RADIATION ON BIOLOGICAL MATERIAL	0569

CTS OF NON-IONIZING ELECTROMAGNETIC RADIATION ON BIOLOGICAL MATERIALS: REPORT ON A WORKSHOP HELD OCTOB ... 3024
EFFECTS OF ELECTROMAGNETIC RADIATION ON BIOLOGICAL SYSTEMS ... 2569
NON-THERMAL EFFECTS OF MICROWAVE RADIATION ON BIRDS ... 0761
EFFECT OF MICROWAVE RADIATION ON BIRDS ... 0762
HE INFLUENCE OF SUPERHIGH FREQUENCY RADIATION ON BRAIN MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION (IN RUS ... 1404
EFFECT OF MICROWAVE RADIATION ON CELLS TREATED WITH MEMBRANE-INJURING SUBSTANCES ... 2717
EFFECT OF MICROWAVE RADIATION ON CEREBRAL CATECHOLAMINE METABOLISM (IN RUSSIAN) ... 0011
CYTOGENETIC EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS ... 3056
EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON CULTIVATED RAT KANGAROO CELLS ... 1537
ATAL EXPOSURES TO 915 MHZ MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVIOR IN RATS ... 2700
EFFECTS OF 2.6-4.0 GHZ MICROWAVE RADIATION ON E-COLI B ... 2797
EFFECTS OF MICROWAVE RADIATION ON EGGS, EMBRYOS AND CHICKENS ... 2059
THRESHOLD EFFECTS OF MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS ... 1090
EFFECTS OF MICROWAVE RADIATION ON ENZYMES ... 1081
EFFECTS OF MICROWAVE RADIATION ON ENZYMES ... 2390
EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON GERMINATION AND GROWTH RATE IN CORN SEEDS ... 2692
EFFECT OF 2450 MHZ MICROWAVE RADIATION ON HORSERADISH PEROXIDASE ... 0923
EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON HUMAN BLOOD COAGULATION PROCESSES ... 0676
LOGICAL THERMAL EFFECT OF MICROWAVE RADIATION ON HUMAN EYES ... 2151
ECTS OF NON-THERMAL RADIO FREQUENCY RADIATION ON HUMAN LYMPHOCYTES IN VITRO ... 0692
EFFECTS OF RADIO-FREQUENCY RADIATION ON INFLAMMATION ... 2752
ACTION OF IONIZING RADIATION ON LAYING HENS ... 0266
EFFECTS OF INTENSE MICROWAVE RADIATION ON LIVING ORGANISMS ... 0460
AND THERAPEUTIC EFFECTS OF 2450 MHZ RADIATION ON MAMMALIAN CELLS ... 2342
EFFECTS OF LOW INTENSITY MICROWAVE RADIATION ON MAMMALIAN SERUM PROTEINS ... 0922
DY OF THE EFFECTS OF 3-CM MICROWAVE RADIATION ON MICE ... 0737
EFFECT OF 2,450 MHZ MICROWAVE RADIATION ON MICROORGANISMS ... 2815
HANISM OF LETHAL ACTION OF 2450-MHZ RADIATION ON MICROORGANISMS ... 0196
THE EFFECTS OF MICROWAVE RADIATION ON MICROTUBULES AND AXONAL TRANSPORT ... 2064
STEADY STATE EFFECTS OF MICROWAVE RADIATION ON MOLECULES OF BIOLOGICAL IMPORTANCE ... 2976
THE EFFECT OF MICROWAVE RADIATION ON MORPHOLOGY AND FUNCTION OF RAT TESTIS ... 2893
EFFECTS OF RADIOFREQUENCY RADIATION ON MURINE PERIPHERAL WHITE BLOOD CELL POPULATION ... 2345
NISM FOR THE INFLUENCE OF MICROWAVE RADIATION ON NEUROELECTRIC POTENTIALS ... 2559
THE EFFECT OF 1.6 GHZ RADIATION ON NEUROTRANSMITTERS IN DISCRETE AREAS OF THE RAT BRAIN ... 2169
THE INFLUENCE OF MICROWAVE RADIATION ON NORMAL AND NEOPLASTIC CELLS ... 2602
EFFECT OF MICROWAVE RADIATION ON PENTOBARBITAL-INDUCED SLEEPING TIME ... 2171
UREMENT OF THE EFFECTS OF MICROWAVE RADIATION ON PROTEINS ... 2295
VIVO EFFECTS OF 2.45 GHZ MICROWAVE RADIATION ON RABBIT SERUM COMPONENTS AND SLEEPING TIMES ... 0634
ECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON RABBITS ... 1127
SSUE CULTURE, PART 2: EFFECT OF THE RADIATION ON SKIN BIOCHEMISTRY ... 0452
POSING TISSUE AND THE EFFECT OF THE RADIATION ON SKIN RESPIRATION ... 0523
EFFECT OF 2450 MHZ MICROWAVE RADIATION ON SOME SOIL MICROORGANISMS IN SITU ... 1918
THE EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RATS ... 1093
L AND ATHERMAL EFFECTS OF MICROWAVE RADIATION ON THE ACTIVITY OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN ... 1982
HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW ... 1279
EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS REPORT ... 0257
EFFECTS OF LOW LEVEL MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT OF THE RAT ... 0370
THE ACTION OF MICROWAVE RADIATION ON THE EYE ... 0457
THE EFFECT OF MICROWAVE RADIATION ON THE EYE ... 2472
EFFECT OF MICROWAVE RADIATION ON THE FROG SCIATIC NERVE ... 3192
ECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF THE ADRENAL MEDULLA ... 1448
ECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF THE HYPOTHALAMIC-HYPOPHYSIS-A ... 1447
INFLUENCE OF MICROWAVE RADIATION ON THE HEMATOPOIETIC SYSTEM ... 1278
EFFECT OF MICROWAVE RADIATION ON THE HEMOPOIETIC SYSTEM OF THE RAT ... 2005
IO FREQUENCY RADIATION AND IONIZING RADIATION ON THE HUMAN ORGANISM ... 0228
ECT OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON THE INCIDENCE OF CATARACT FORMATION ... 3021
EFFECTS OF MICROWAVE RADIATION ON THE LENS EPITHELIUM IN THE RABBIT EYE ... 1044
INFLUENCE OF MICROWAVE RADIATION ON THE NERVOUS SYSTEM AND BEHAVIOR ... 0895
INFLUENCE OF MICROWAVE RADIATION ON THE ORGANISM OF MAN AND ANIMALS (TRANSLATION FROM RUS ... 3520
AND AVERAGE DOSE RATE OF MICROWAVE RADIATION ON THE OXYGEN-CONSUMPTION RATE OF MICE ... 0369
EFFECT OF 2450-MHZ RADIATION ON THE RABBIT EYE ... 1301
LETHAL EFFECTS OF 3000 MHZ RADIATION ON THE RAT ... 1866
BIOLOGICAL EFFECTS OF MICROWAVE RADIATION ON THE TESTES OF SWISS MICE ... 1268
ECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE ... 2385
ECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE ... 2892

LONG-TERM EFFECTS OF 2.45-GHZ	RADIATION	ON THE ULTRASTRUCTURE OF THE CEREBRAL CORTEX AND ON HEMA	2766
EFFECTS OF MICROWAVE	RADIATION	ON THE VISUAL ORGAN	2265
THE BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION	ON THE WHITE RAT AND MOUSE	1891
EFFECTS OF MICROWAVE	RADIATION	ON TISSUE- A SURVEY OF BASIC MECHANISMS	3204
EFFECTS OF MICROWAVE	RADIATION	ON TISSUE--A SURVEY OF BASIC MECHANISMS	0820
M TO STUDY THE EFFECTS OF MICROWAVE	RADIATION	ON VARIOUS BIOLOGICAL SYSTEMS	0704
STUDIES ON THE EFFECTS OF MHZ-2450	RADIATION	ON VARIOUS BIOLOGICAL SYSTEMS	2939
NTINUOUS AND INTERMITTENT MICROWAVE	RADIATION	ON WEIGHT AND ARTERIAL PRESSURE DYNAMICS OF ANIMALS IN C	1446
THE DIPOLE/SLOT	RADIATION	PATTERN AND ITS USE IN UNDERSTANDING MICROWAVE LEAKAGE A	0773
PREDICTION OF AERIAL	RADIATION	PATTERNS FROM NEAR FIELD MEASUREMENTS	3294
USE FETUSES WHICH SURVIVE MICROWAVE	RADIATION	PERMANENTLY AFFECTED THEREBY?	1247
	RADIATION	PROCESSING IN AGRICULTURE	0984
HIGH INTENSITY	RADIATION	PRODUCES CONVULSIONS, DEATH IN MONKEY	0621
TO GUARD THE PUBLIC IN A PERIOD OF	RADIATION	PROLIFERATION	0363
NEAR-FIELD	RADIATION	PROPERTIES OF SIMPLE LINEAR ANTENNAS WITH APPLICATIONS T	0192
ZING RADIATIONS: ITS IMPLICATION IN	RADIATION	PROTECTION	2057
ATIONAL COOPERATION ON NON-IONIZING	RADIATION	PROTECTION	2228
LONG-TERM PROGRAMME ON NON-IONIZING	RADIATION	PROTECTION	3121
A PROGRAMME ON NON-IONIZING	RADIATION	PROTECTION OF THE WORLD HEALTH ORGANIZATION REGIONAL OFF	0594
UND MATERIAL FOR THE DEVELOPMENT OF	RADIATION	PROTECTION STANDARDS	3546
NON-IONIZING	RADIATION	PROTECTION TRAINING MANUAL FOR RADIATION CONTROL. LECTU	2394
DEVELOPMENT OF A RADAR	RADIATION	PROTECTIVE SUIT FOR NAVAL PERSONNEL	2604
HUMAN TISSUES IN THE RADIOFREQUENCY	RADIATION	RANGE	0310
DIRECTIONS AND NEEDS IN BIOLOGIC EM	RADIATION	RESEARCH	1105
MATHEMATICAL MODELS IN NONIONIZING	RADIATION	RESEARCH	3598
ANNUAL REPT. OF MICROWAVE	RADIATION	RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA.	0725
FFECT OF 2450-MHZ MICROWAVES ON THE	RADIATION	RESPONSES OF X-IRRADIATED CHINESE HAMSTERS	0521
SOME ASPECTS OF NONIONIZING	RADIATION	REVISITED	2379
AGENCIES REACT TO ELECTROMAGNETIC	RADIATION	RISKS	3502
IS TODAY'S STANDARD FOR MICROWAVE	RADIATION	SAFE FOR HUMANS?	0560
THE PRACTICE OF MICROWAVE	RADIATION	SAFETY	1152
MEASUREMENTS FOR	RADIATION	SAFETY	1659
ELECTROMAGNETIC	RADIATION	SAFETY	2246
	RADIATION	SAFETY HANDBOOK FOR IONIZING AND NONIONIZING RADIATION	0511
ELECTROMAGNETIC	RADIATION	SAFETY IN POLAND	2998
RECOMMENDED	RADIATION	SAFETY PRECAUTIONS FOR AIRBORNE WEATHER RADAR	3071
	RADIATION	SAFETY PROCEDURES FOR THE OFFICE OF RESEARCH AND MONITOR	2971
G A RADIO FREQUENCY ELECTROMAGNETIC	RADIATION	SAFETY STANDARD	2915
MICROWAVE	RADIATION	SAFETY STANDARDS IN EASTERN EUR	0700
MICROWAVE BIOEFFECTS AND	RADIATION	SAFETY., M.A. STUCHLY, EDITOR	2920
EHV ELECTRIC FIELDS: THE NEW	RADIATION	SCARE	3609
EHV ELECTRIC FIELDS: THE NEW	RADIATION	SCARE	3241
GE, AND WEIGHT OF MICE TO MICROWAVE	RADIATION	SENSITIVITY	1120
	RADIATION	SENSITIZATION OF TUMOR CELLS BY MICROWAVES--END OF OXYGE	2623
NON-IONIZING ELECTROMAGNETIC	RADIATION	STANDARDIZATION	2689
ESTRAINT CHAIR FOR USE IN MICROWAVE	RADIATION	STUDIES	1218
RF RESPONSE OF	RADIATION	SURVEY INSTRUMENTS	1286
COMBINATION	RADIATION	THERAPY AND LOCALIZED CURRENT FIELD HYPERTHERMIA OF SPON	2329
433 MEGAHERTZ MICROWAVE THERAPY AND	RADIATION	THERAPY ON PATIENTS WITH ADVANCED CANCER	2336
OR HYPERTHERMIA IN COMBINATION WITH	RADIATION	THERAPY. I.MALIGNANT CUTANEOUS LESIONS	2618
TER IN TRANSFER OF MILLIMETER RANGE	RADIATION	TO BIOLOGICAL OBJECTS	0241
USE OF MICROWAVE	RADIATION	TO STUDY PLANT-ENVIRONMENT INTERACTIONS	1803
RELATION OF DOSE RATE OF MICROWAVE	RADIATION	TO THE TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MOUS	0849
ERVALS OF COMBINED HYPERTHERMIA AND	RADIATION	TREATMENT OF A SOLID MOUSE MAMMARY ADENOCARCINOMA IN VIV	2819
THE CYTOGENETIC EFFECT OF IONIZING	RADIATION	UNDER THE INFLUENCE OF PERMANENT MAGNETIC FIELDS	1595
N OF ENERGY ABSORPTION OF MICROWAVE	RADIATION	USING THE COOLING CURVE TECHNIQUE	1820
N OF ENERGY ABSORPTION OF MICROWAVE	RADIATION	USING THE COOLING CURVE TECHNIQUE	3256
ULTRAHIGH FREQUENCY ELECTROMAGNETIC	RADIATION	UTILIZED FOR AQUATIC VEGETATION CONTROL	3119
A PROPOSAL FOR A MICROWAVE	RADIATION	WARNING SIGN	1698
INTERACTION OF EM TRANSIENT	RADIATION	WITH BIOLOGICAL MATERIALS	0900
ON OF MICROWAVE AND RADIO FREQUENCY	RADIATION	WITH BIOLOGICAL SYSTEMS	1523
IOMOLECULAR ABSORPTION OF MICROWAVE	RADIATION	WITH FUNCTIONAL IMPLICATIONS	1022
ION OF RADIOFREQUENCY AND MICROWAVE	RADIATION	WITH LIVING SYSTEMS	0109
ION OF MICROWAVE AND RADIOFREQUENCY	RADIATION	WITH LIVING SYSTEMS	2476
ON OF MICROWAVE AND RADIO FREQUENCY	RADIATION	WITH MOLECULAR SYSTEMS	1533

FOR THE RADIOBIOLOGY OF NONIONIZING	RADIATION .	1906
ARDS OF NONIONIZING ELECTROMAGNETIC	RADIATION .	3023
THE BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION , 1ST REPT	1739
GUIDES FOR MICROWAVES, ULTRAVIOLET	RADIATION , AND RADIATION FROM LASERS AND TELEVISION RECEIVERS--AN	0562
DIATION AND OTHER TYPES OF IONIXING	RADIATION , BRH/DEP 70-28	3035
ED TO MICROWAVE AND RADIO-FREQUENCY	RADIATION , FIFTH SUPPLEMENT	3595
ED TO MICROWAVE AND RADIO-FREQUENCY	RADIATION , FOURTH SUPPLEMENT	3594
THE EFFECTS OF MICROWAVE	RADIATION , HYPERTHERMIA, AND L-ASCORBIC ACID ON EHRLICH ASCITES CA	0044
ND HEALTH IMPLICATIONS OF MICROWAVE	RADIATION , RICHMOND, VA., SEPT. 17-19, 1969--A REVIEW	0722
MICROWAVE THERAPY: STRAY	RADIATION , SAFETY AND EFFECTIVE- NESS	0427
BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION , WITH PARTICULAR REFERENCE TO THE EYE	2869
AND EVALUATION OF RADIOFREQUENCY EM	RADIATION- INDUCED BIOLOGICAL DAMAGE IN MACACA MULATTA	2397
FFECTS OF IONIZING AND NON-IONIZING	RADIATION- REPORT ON A WORKING GROUP	3560
CTS AND HEALTH HAZARDS OF MICROWAVE	RADIATION--WARSAW , POLAND, 15-18 OCTOBER, 1973	1688
A STUDY OF EARLY	RADIATION-INDUCED BIOLOGICAL CHANGES AS INDICATORS OF RADIATION IN	2574
MICROWAVE	RADIATION-INDUCED CHROMOSOMAL ABERRATIONS IN CORNEAL EPITHELIUM OF	0098
MICROWAVE	RADIATION-MEDICAL SURVEILLANCE	2536
MICROWAVE	RADIATION-PATTERN MEASUREMENTS IN THE PRESENCE OF BIOLOGICAL SPECI	0442
ED IMMUNOCOMPETENCE BY HYPERTHERMIC	RADIATION	0171
MONKEYS EXPOSED TO PULSED MICROWAVE	RADIATION	0254
STANDARDS FOR MICROWAVE	RADIATION	0365
ON BIOLOGICAL EFFECTS OF MICROWAVE	RADIATION	0395
ORAL REACTIONS INDUCED BY MICROWAVE	RADIATION	0433
NIC EFFECTS IN RATS BY 27.12 MHZ RF	RADIATION	2898
EVELOPMENT IN RESPONSE TO MICROWAVE	RADIATION	2899
R DIFFERING DOSE RATES OF MICROWAVE	RADIATION	2900
NONTHERMAL EFFECTS OF MICROWAVE	RADIATION	2905
MANS OF NONIONIZING ELECTROMAGNETIC	RADIATION	2907
BIOLOGICAL EFFECTS OF NON-IONIZING	RADIATION	2908
ARDS OF NONIONIZING ELECTROMAGNETIC	RADIATION	2972
ARDS FROM OVEREXPOSURE TO MICROWAVE	RADIATION	3068
CTS AND HEALTH HAZARDS OF MICROWAVE	RADIATION	3069
CTS OF MICROWAVE AND RADIOFREQUENCY	RADIATION	3206
BIOLOGICAL EFFECTS OF NONIONIZING	RADIATION	3216
MICROWAVE BACKGROUND	RADIATION	3229
SOURCES OF ENVIRONMENTAL MICROWAVE	RADIATION	3237
SUREMENT OF MICROWAVES AND INFRARED	RADIATION . SEMINAR PAPER NO. 009	3046
MICROWAVE	RADIATION : AN EPIDEMIOLOGIC ASSESSMENT	3145
NONTHERMAL EFFECTS OF MICROWAVE	RADIATION : EXPERIMENTS WITH ENZYMES	2293
NONTHERMAL EFFECTS OF MICROWAVE	RADIATION : EXPERIMENTS WITH LABORATORY ANIMALS	2292
ECTS OF NONIONIZING ELECTROMAGNETIC	RADIATION : A DIGEST OF CURRENT LITERATURE	0081
ECTS OF NONIONIZING ELECTROMAGNETIC	RADIATION : A DIGEST OF CURRENT LITERATURE	0163
EM PULSE	RADIATION : A POTENTIAL BIOLOGICAL HAZARD?	0611
BIOLOGICAL ASPECTS OF MICROWAVE	RADIATION : A REVIEW OF HAZARDS	0606
CTS OF RADIOFREQUENCY AND MICROWAVE	RADIATION : A REVIEW OF SELECTED SOVIET, EAST EUROPEAN, AND WESTERN	2148
BROADCAST	RADIATION : A SECOND LOOK	2211
PHYSIOLOGICAL HAZARDS OF MICROWAVE	RADIATION : A SURVEY OF PUBLISHED LIT	0940
FOCUSSED MICROWAVE	RADIATION : A TECHNIQUE TO MINIMIZE POST MORTEM CHANGES OF CYCLIC N	1326
FOR NONTHERMAL EFFECTS OF MICROWAVE	RADIATION : ABNORMAL DEVELOPMENT OF IRRADIATED INSECT PUPAE	0456
MICROWAVE	RADIATION : AN EPIDEMIOLOGIC ASSESSMENT	0406
BIOLOGICAL EFFECTS OF NONIONIZING	RADIATION : AN OUTLINE OF FUNDAMENTAL LAWS	1051
BIOMEDICAL ASPECTS OF NONIONIZING	RADIATION : AN OVERVIEW OF THE NWL EFFORT	0827
NONIONIZING	RADIATION : BIOLOGICAL EFFECTS- HEALTH ASPECTS OF SAFETY. (IN ITAL	0177
MICROWAVE	RADIATION : BIOPHYSICAL CONSIDERATIONS AND STANDARDS CRITERIA	1703
ED TO MICROWAVE AND RADIO-FREQUENCY	RADIATION : COMPILATION AND INTEGRATION OF REPORT AND SEVEN SUPPLEM	0483
UNREASONING	RADIATION : DO MICROWAVES POSE A HAZARD TO MIND AND BODY?	0566
RLY LIFE TO 2450 MHZ (CW) MICROWAVE	RADIATION : EFFECTS ON LYMPHOCYTES	2902
E OF RATS TO 425 MHZ (CW) MICROWAVE	RADIATION : EFFECTS ON LYMPHOCYTES	2903
BROADCAST	RADIATION : HOW SAFE IS SAFE?	0582
PONSE OF MICE TO 2450-MHZ MICROWAVE	RADIATION : OVERVIEW OF IMMUNOLOGY AND EMPIRICAL STUDIES OF LYMPHOI	2756
HE BIO-MEDICAL EFFECTS OF MICROWAVE	RADIATION : PAST, PRESENT AND FUTURE	2438
F LYMPHOCYTE CULTURES EXPOSED TO RF	RADIATION : PROGRESS REPT. ON FEASIBILITY AND DETERMINATION OF CRIT	2613
NON-IONIZING	RADIATION : THE PHYSICAL RELATIONSHIP BETWEEN TYPICAL SOURCES AND H	0504
NONIONIZING	RADIATIONJURY OF HUMANS	3437
NONIONIZING	RADIATIONS	0270

HAZARDS OF MICROWAVE	RADIATIONS	0547
EXPOSURE TO MICROWAVES AND IONIZING	RADIATIONS	1215
EHAVIORAL EFFECTS OF NONIONIZING EM	RADIATIONS	1391
CATARACTS AND AVIONIC	RADIATIONS	1768
RE TO RADIO FREQUENCY AND MICROWAVE	RADIATIONS	1789
TOURS ON THE COURSE ON NON-IONIZING	RADIATIONS	2394
F RATS IN THE NEAR FIELD OF 918-MHZ	RADIATIONS	2818
ECTS OF NONIONIZING ELECTROMAGNETIC	RADIATIONS	3584
CONDITIONS OF DIFFERENT ULTRAVIOLET	RADIATIONS (IN RUSSIAN)	2715
ONNEL EXPOSURE LIMITS TO DESIGNATED	RADIATIONS (PROPOSED)	3526
PACTS OF EXTREMELY LOW FREQUENCY EM	RADIATIONS ASSOCIATED WITH THE NAVY SEAFARER COMMUNICATION SYSTEM	1885
OF THE RAT: MICROWAVE AND INFRARED	RADIATIONS COMPARED	2754
EFFECTS OF MICROWAVE	RADIATIONS ON HATCHABILITY AND GROWTH OF TURKEYS	1974
FFECTS OF NON-IONIZING AND IONIZING	RADIATIONS ON THE TRANSFORMING ABILITY OF E. COLI DNA	2467
CAL STUDIES ON EFFECTS OF MICROWAVE	RADIATIONS ON TISSUES OF THE CENTRAL NERVOUS SYSTEM	2552
OMPARISON OF IONIZING AND MICROWAVE	RADIATIONS WITH RESPECT TO THEIR EFFECTS ON THE RODENT EMBRYO AND	2359
FERENCE REPORT: RADIO AND MICROWAVE	RADIATIONS , APPLICATIONS AND POTENTIAL HAZARDS	3051
MICROWAVE	RADIATIONS	3372
ICROWAVES AND OTHER RADIO-FREQUENCY	RADIATIONS : A ROSE BY ANOTHER NAME IS A CABBAGE	2381
MUTAGENIC ACTION OF NON-IONIZING	RADIATIONS : ITS IMPLICATION IN RADIATION PROTECTION	2057
R THE RADIOBIOLOGY OF NON- IONISING	RADIATIONS : QUANTITIES, DEFINITIONS, AND UNITS OF ABSORBED EM ENER	1905
THE EFFECT OF 2450 MHZ MICROWAVE	RADIATON ON LIVER ADENOSINE TRIPHOSPHATE (ATP)	0812
A CAVITY-BACKED SLOT	RADIATOR FOR MICROWAVE BIOLOGICAL EFFECT RESEARCH	1020
THE DESIGN OF A MONOPOLE	RADIATOR TO INVESTIGATE THE EFFECT OF MICROWAVE RADIATION IN BIOLO	1175
IMPLANTABLE	RADIATORS FOR CANCER THERAPY BY MICROWAVE HYPERTHERMIA	0388
	RADIATORS FOR MICROWAVE BIOLOGICAL EFFECTS RESEARCH-- WAVEGUIDE SL	2740
ON FOCUSING ELECTROMA GNETIC	RADIATORS	3295
MAGNETIC FIELD EF CTS ON	RADICAL PAIR INTERMEDIATES IN BACTERIAL PHOTOSYNTHESIS	2583
FIELD ON THE CONCENTRATION OF FREE	RADICALS IN THE ORGANS AND TISSUES OF MICE	2488
EFFECT ON FRESH FRACTURE DEFECTS IN	RADII	2773
NOMOGRAPM FOR DETERMINING THE	RADII OF RADAR STATION DANGER ZONES	3578
TIC-FIELD STRENGTHS FROM INDUSTRIAL	RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALERS	0402
LOW POWER	RADIO-FREQUENCY AND MICROWAVE EFFECTS ON HUMAN ELECTROENCEPHALOGRA	0132
A STUDY OF THE EFFECT OF	RADIO-FREQUENCY AND MICROWAVE EM FIELDS ON THE ENZYME-SUBSTRATE RE	2481
	RADIO-FREQUENCY AND MICROWAVE ENERGIES, MAGNETIC AND ELECTRIC FIEL	2125
BIOLOGICAL SENSITIVITY TO	RADIO-FREQUENCY AND MICROWAVE ENERGY	2953
	RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED GRAIN INSECT CONTROL	0978
ACTORS INFLUENCING EFFECTIVENESS OF	RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED-GRAIN INSECT CONTROL	0983
EFFECT OF EXPOSURE TO	RADIO-FREQUENCY ELECTRIC FIELDS ON SEED-BORNE MICROORGANISMS	1921
GE REPORTS ON BIOLOGICAL EFFECTS OF	RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	2254
HYGIENIC EVALUATION OF	RADIO-FREQUENCY ELECTROMAGNETIC FIELDS IN POPULATED AREAS	2943
OCCUPATIONAL EXPOSURE TO	RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	0405
BLIOGRAPHY ON BIOLOGICAL EFFECTS OF	RADIO-FREQUENCY EM FIELDS (WITH SPECIAL ANALYTICAL AIDS)	2557
HEALTH ASPECTS OF	RADIO-FREQUENCY EMR (IN ITALIAN)	1705
	RADIO-FREQUENCY EMR FROM PORTABLE AND MOBILE TELECOMMUNICATION TRA	2718
CURRENT	RADIO-FREQUENCY EMR SAFETY STANDARDS AS APPLIED TO MOBILE AND PORT	2474
D-GRAIN INSECT CONTROL STUDIES WITH	RADIO-FREQUENCY ENERGY	0977
ON ON POLARIZATION AND FREQUENCY OF	RADIO-FREQUENCY ENERGY	1104
LUTIONS FOLLOWING THEIR EXPOSURE TO	RADIO-FREQUENCY ENERGY	2954
-PATTERN TO ENDOTOXIN RADIATED WITH	RADIO-FREQUENCY ENERGY	3475
THE EFFECTS OF	RADIO-FREQUENCY ENERGY ON CORYNEBACTERIUM DIPHTHERIAE AND CLOSTRID	1294
EFFECTS OF	RADIO-FREQUENCY ENERGY ON HUMAN GAMMA GLOBULIN	2952
EFFECTS OF	RADIO-FREQUENCY ENERGY ON PRIMATE CEREBRAL ACTIVITY	1993
LETHALITY OF	RADIO-FREQUENCY ENERGY UPON MICROORGANISMS IN LIQUID, BUFFERED, AN	2498
A COMPARISON OF THERMAL AND	RADIO-FREQUENCY EXPOSURE EFFECTS ON TRACE METAL CONTENT OF BLOOD P	1079
SPECIES DURING EXPOSURE TO 100-MHZ	RADIO-FREQUENCY FIELDS	1084
PTION BY HUMAN PHANTOMS IMMERSED IN	RADIO-FREQUENCY FIELDS	1100
ORIENTATION OF EUGLENA BY	RADIO-FREQUENCY FIELDS	1727
OF HUMAN AND AVIAN ERYTHROCYTES IN	RADIO-FREQUENCY FIELDS	1728
XPLORATION OF THE EFFECTS OF STRONG	RADIO-FREQUENCY FIELDS ON MICRO-ORGANISMS IN AQUEOUS SOLUTIONS	0529
EFFECT OF	RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COL	0662
EFFECT OF	RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COL	3221
EFFECT OF	RADIO-FREQUENCY FIELDS ON THE ZETA-POTENTIAL OF A COLLOIDAL SUSPEN	3222
AND INSTRUMENTATION FOR EVALUATING	RADIO-FREQUENCY HAZARDS TO PERSONNEL	3460
F FIELD INTENSITY ABOVE 300 MC FROM	RADIO-FREQUENCY INDUSTRIAL, SCIENTIFIC AND MEDICAL EQUIPMENTS	3518

ERATING HEPATIC TISSUE SUBJECTED TO	RADIO-FREQUENCY IRRADIATION	1270
EFFECTS OF	RADIO-FREQUENCY IRRADIATION ON THE ENZYMES OF BEEF MUSCLE TISSUE	2561
YLAXIS TO BE TAKEN DURING WORK WITH	RADIO-FREQUENCY OSCILLATORS	0545
C LIQUID CRYSTAL PROBE FOR ABSORBED	RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREMENT IN TISSUE DURING	1103
TATIONS ATTRIBUTED TO MICROWAVE AND	RADIO-FREQUENCY RADIATION	0484
THE FIELD OF BIOLOGICAL EFFECTS OF	RADIO-FREQUENCY RADIATION	3005
TATIONS ATTRIBUTED TO MICROWAVE AND	RADIO-FREQUENCY RADIATION	3144
SOME BIOLOGICAL EFFECTS OF	RADIO-FREQUENCY RADIATION	3606
TATIONS ATTRIBUTED TO MICROWAVE AND	RADIO-FREQUENCY RADIATION	3622
DESCRIPTIVE SUMMARY:	RADIO-FREQUENCY RADIATION DOSIMETRY HANDBOOK	2735
TECHNICAL MANUAL FOR	RADIO-FREQUENCY RADIATION HAZARDS	0590
	RADIO-FREQUENCY RADIATION LEVELS IN URBAN AREAS	2734
EFFECTS OF	RADIO-FREQUENCY RADIATION ON INFLAMMATION	2752
TATIONS ATTRIBUTED TO MICROWAVE AND	RADIO-FREQUENCY RADIATION, FIFTH SUPPLEMENT	3595
ESTINGS ATTRIBUTED TO MICROWAVE AND	RADIO-FREQUENCY RADIATION, FOURTH SUPPLEMENT	3594
TATIONS ATTRIBUTED TO MICROWAVE AND	RADIO-FREQUENCY RADIATION: COMPILATION AND INTEGRATION OF REPORT A	0483
RMY VERSUS THE MICROWAVES AND OTHER	RADIO-FREQUENCY RADIATIONS: A ROSE BY ANOTHER NAME IS A CABBAGE	2381
ED CHINESE HAMSTER CELLS INDUCED BY	RADIO-FREQUENCY TREATMENT	0535
	RADIO-FREQUENCY TREATMENT FOR BREAKING DORMANCY AND CONTROLLING VI	3238
STUDIES ON THE EFFECT OF	RADIO-FREQUENCY WAVES ON BIOLOGICAL MACROMOLECULES	0834
PROBE FOR MEASURING TEMPERATURE IN	RADIO-FREQUENCY-HEATED MATERIAL	1649
HANDBOOK ON THE USE OF	RADIO-MEASUREMENT INSTRUMENTS (1969)	3160
LE RADIATION DETECTOR KEEPS TABS ON	RADIO-RELAY AND MICROWAVE-OVEN LEAKS	0872
ENVIRONMENTAL STUDIES IN	RADIO-RELAY STATIONS	1341
	RADIO-WAVE MODIFICATION OF THE IONOSPHERE	3505
BIOLOGICAL EFFECT OF HIGH FREQUENCY	RADIO . WAVES (RADAR)	3330
ASSESSMENT OF ENVIRONMENTAL	RADIOACTIVITY IN THE VICINITY OF SHIPPINGPORT ATOMIC POWER STATION	3063
WARD A PRESCRIPTIVE GRAMMAR FOR THE	RADIOBIOLOGY OF NON- IONISING RADIATIONS: QUANTITIES, DEFINITIONS,	1905
SEN'S 'PRESCRIPTIVE GRAMMAR FOR THE	RADIOBIOLOGY OF NONIONIZING RADIATION'	1906
EFFECT OF MICROWAVE OVEN ON FACIAL	RADIODERMATITIS	2011
	RADIOENERGY HEALING--MEDICINE OR MYTH?	2595
OF TISSUES AND ORGANS BY SUPERHIGH	RADIOFREQUENCIES (IN RUSSIAN)	2074
	RADIOFREQUENCIES AND HYPERFREQUENCIES, APPLICATIONS AND RISKS (IN	3435
TIC FIELD STRENGTHS FROM INDUSTRIAL	RADIOFREQUENCY (15-40.68 MHZ) POWER SOURCES	2210
COMPARATIVE ASPECTS OF	RADIOFREQUENCY AND MICROWAVE BIOMEDICAL RESEARCH	1400
RES FOR THE INSTALLATION AND USE OF	RADIOFREQUENCY AND MICROWAVE DEVICES IN THE FREQUENCY RANGE 10 MHZ	0284
	RADIOFREQUENCY AND MICROWAVE RADIATION LEVELS RESULTING FROM MAN-M	0913
INTERACTION OF	RADIOFREQUENCY AND MICROWAVE RADIATION WITH LIVING SYSTEMS	0109
BIOMEDICAL ASPECTS OF	RADIOFREQUENCY AND MICROWAVE RADIATION: A REVIEW OF SELECTED SOVIE	2148
PANEL ON MAGNETIC,	RADIOFREQUENCY AND OTHER FIELD EFFECTS	3506
CORNEAL	RADIOFREQUENCY BURNS: EFFECTS OF PROSTAGLANDINS AND 48/80	2223
PERCUTANEOUS	RADIOFREQUENCY DENERVATION OF SPINAL FACETS	1331
CHANGES IN	RADIOFREQUENCY E-FIELD STRENGTHS WITHIN A HOSPITAL DURING A 16-MON	1113
NEBRIONIDAE), FOLLOWING EXPOSURE TO	RADIOFREQUENCY ELECTRIC FIELDS	0493
ATION IN TENEBRIO MOLITOR FOLLOWING	RADIOFREQUENCY ELECTRICAL TREATMENT (COLEOPTERA: TENEBRIONIDAE)	1927
PERCUTANEOUS	RADIOFREQUENCY ELECTROCOAGULATION IN THE CONTROL OF CHRONIC PAIN	0931
OGICAL CHANGES UNDER THE EFFECTS OF	RADIOFREQUENCY ELECTROMAGNETIC FIELDS	3026
S FOR SELECTIVE TISSUE HEATING IN A	RADIOFREQUENCY EM FIELD FOR THE COMBINED CHEMOTHERMAL TREATMENT OF	1240
DETECTION AND EVALUATION OF	RADIOFREQUENCY EM RADIATION- INDUCED BIOLOGICAL DAMAGE IN MACACA M	2397
GIENE AND THE BIOLOGICAL EFFECTS OF	RADIOFREQUENCY EM WAVES	1435
BIOLOGICAL INTERACTION BETWEEN	RADIOFREQUENCY EM WAVES AND IONIZING RADIATION	0910
REFERENCE DATA FOR	RADIOFREQUENCY EMISSION HAZARD ANALYSIS	0584
L STUDIES WITH MICROWAVES AND OTHER	RADIOFREQUENCY ENERGY	0980
LETHAL EFFECTS OF	RADIOFREQUENCY ENERGY ON EGGS OF TENEBRIO MOLITOR (COLEOPTERA: TEN	0985
THE	RADIOFREQUENCY FIELD DISTRIBUTION SURROUNDING COILS FOR INTRAUTERI	1959
YSTEM FOR DETERMINING ENVIRONMENTAL	RADIOFREQUENCY FIELD INTENSITIES	3094
YSTEM FOR DETERMINING ENVIRONMENTAL	RADIOFREQUENCY FIELD INTENSITIES II	1717
MEASUREMENTS OF	RADIOFREQUENCY FIELD INTENSITY IN BUILDINGS WITH CLOSE PROXIMITY T	0108
BIOLOGICAL EFFECTS OF	RADIOFREQUENCY FIELDS AS TRANSLATED FROM O BIOLOGICHESKOM DEYSTVII	3126
EVALUATION OF THE INTENSITIES OF EM	RADIOFREQUENCY FIELDS, X-RADIATION AND CONSTANT MAGNETIC FIELDS IN	1340
	RADIOFREQUENCY FIELDS: A NEW ECOLOGICAL FACTOR	3060
INEAR ANTENNAS WITH APPLICATIONS TO	RADIOFREQUENCY HAZARDS AND BROADCASTING	0192
E AND CELL SURVIVAL AFTER LOCALIZED	RADIOFREQUENCY HEATING	2120
TUMOR ERADICATION IN THE RABBIT BY	RADIOFREQUENCY HEATING	2585
TECHNIQUES IN MICROWAVE AND	RADIOFREQUENCY HEATING OF TISSUES	2699

	RADIOFREQUENCY HEATING OF TUMOURS IN RODENTS	2460
TEREOTACTIC	RADIOFREQUENCY HYPOPHYSECTOMY	3436
TUMOR HYPERTHERMY BY MEANS OF	RADIOFREQUENCY IN ORDER TO ENHANCE ONCOLYSIS BY COLOSTRIDIUM BUTYR	1806
	RADIOFREQUENCY IN THE OPERATING-THEATRE	1798
RADIATION LEAKAGE CONTROL OF A	RADIOFREQUENCY INDUSTRIAL SYSTEM	2055
EAS OF THE RAT BRAIN AFTER 1600 MHZ	RADIOFREQUENCY IRRADIATION	0841
STERASE, AND CHYMOTRYPSIN FOLLOWING	RADIOFREQUENCY IRRADIATION	1983
	RADIOFREQUENCY LESION OF THE VENTRAL MESENCEPHALIC TEGMENTUM: NEUR	0835
LOCOMOTOR ACTIVITY AFTER VARIOUS	RADIOFREQUENCY LESIONS OF THE LIMBIC MIDBRAIN AREA IN THE RAT. EVI	1871
PERCUTANEOUS	RADIOFREQUENCY LUMBAR RHIZOLYSIS	2853
	RADIOFREQUENCY MYOTOMY	0540
TERA: TENEBRIONIDAE) RESULTING FROM	RADIOFREQUENCY OR HEAT TREATMENT OF LARVAE OR PUPAE	1976
ICAL AND EXPERIMENTAL ABSORPTION OF	RADIOFREQUENCY POWER	0742
MEASUREMENT OF	RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND H	1778
MEASUREMENT OF	RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND H	2190
MICROWAVE AND	RADIOFREQUENCY PROTECTION STANDARDS	0106
IC HEALTH APPROACH TO MICROWAVE AND	RADIOFREQUENCY RADIATION	0314
BIOLOGICAL EFFECTS OF MICROWAVE AND	RADIOFREQUENCY RADIATION	0679
POSSIBLE CATARACTOGENIC EFFECTS OF	RADIOFREQUENCY RADIATION	1313
BIOLOGICAL EFFECTS OF MICROWAVE AND	RADIOFREQUENCY RADIATION	2368
A MULATTA EXPOSED TO 15- AND 20-MHZ	RADIOFREQUENCY RADIATION	2644
	RADIOFREQUENCY RADIATION ALTERS THE IMMUNE SYSTEM: MODULATION OF I	0253
	RADIOFREQUENCY RADIATION ALTERS THE IMMUNE SYSTEM: MODULATION OF T	0171
	RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK	0878
	RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK	2927
THE BIOLOGICAL SIGNIFICANCE OF	RADIOFREQUENCY RADIATION EMISSION ON CARDIAC PACEMAKER PERFORMANCE	2199
THE BIOLOGICAL SIGNIFICANCE OF	RADIOFREQUENCY RADIATION EMISSSION ON CARDIAC PACEMAKER PERFORMANC	1777
A	RADIOFREQUENCY RADIATION EXPOSURE APPARATUS	1292
	RADIOFREQUENCY RADIATION HEALTH HAZARDS CONTROL	1024
BIOLOGICAL EFFECTS OF MICROWAVE AND	RADIOFREQUENCY RADIATION IN CRITICAL REVIEWS IN ENVIRONMENTAL CONT	3210
EFFECTS OF	RADIOFREQUENCY RADIATION ON MURINE PERIPHERAL WHITE BLOOD CELL POP	2345
VALUES OF SOME HUMAN TISSUES IN THE	RADIOFREQUENCY RADIATION RANGE	0310
SMS OF INTERACTION OF MICROWAVE AND	RADIOFREQUENCY RADIATION WITH LIVING SYSTEMS	2476
BIOLOGICAL EFFECTS OF MICROWAVE AND	RADIOFREQUENCY RADIATION	3206
TREATMENT OF MALIGNANT TUMORS WITH	RADIOFREQUENCY REPORTED	1165
TRIC DATA USEFUL FOR DEVELOPMENT OF	RADIOFREQUENCY SAFETY STANDARDS FOR HUMAN EXPOSURE	0439
STIMULATION WITH AUTOMATIC	RADIOFREQUENCY SYNCHRONIZATION AND PACING IN THE LONG-TERM TREATME	3399
AL THRESHOLD MEASURED BY MEANS OF A	RADIOFREQUENCY SYSTEM (RADIOCOR) DESIGNED FOR IMPLANTATION IN SERI	2078
TUMOR ERADICATION BY	RADIOFREQUENCY THERAPY	0741
TUMOR ERADICATION BY	RADIOFREQUENCY THERAPY	0836
	RADIOFREQUENCY THERMOCOAGULATION OF GASSERIAN GANGLION AND ITS ROO	1874
TOPATHOLOGIC STUDY ON THE EFFECT OF	RADIOFREQUENCY THERMOTHERAPY ON MALIGNANT TUMORS OF THE LUNG	0107
OGICAL ABNORMALITIES RESULTING FROM	RADIOFREQUENCY TREATMENT OF LARVAE OF TENEBRIO MOLITOR	0964
ENE AND THE BIOLOGICAL EFFECT OF EM	RADIOFREQUENCY WAVES	1338
SAFETY AND HYGIENE (	RADIOFREQUENCY-MICROWAVE)	2999
MORTALITY AND INTERNAL HEATING IN	RADIOFREQUENCY-TREATED LARVAE OF TENEBRIO MOLITOR	0962
AND GROWTH RETARDATION BY SHORTWAVE	RADIOFREQUENCY	0364
USAF EXPOSURE STANDARDS FOR	RADIOFREQUENCY /MICROWAVE HAZARDS CONTROL	2026
L FACTORS OF WORKING ENVIRONMENT IN	RADIOLOCATION : METHOD OF DETERMINATION OF MICROWAVE EFFECTS	1138
FEDERAL RESPONSIBILITY IN	RADIOLOGICAL HEALTH	1521
	RADIOLOGICAL HEALTH ATTITUDES OF COLLEGE STUDENTS	3434
COLLABORATIVE	RADIOLOGICAL HEALTH LABORATORY ANNUAL REPORT 1971	2978
	RADIOLOGICAL HEALTH RESEARCH SUMMARY REPORT JULY 1965-DECEMBER 196	3576
	RADIOLOGICAL QUALITY OF THE ENVIRONMENT (CHAPTER 13, NONIONIZING E	3136
A MODIFIED	RADIOMETER FOR TEMPERATURE AND MICROWAVE PROPERTIES MEASUREMENTS O	2410
MICROWAVE	RADIOMETRIC MEASUREMENTS OF THE TEMPERATURE INSIDE A BODY	2414
A MICROWAVE	RADIOMETRIC METHOD FOR THE STUDY OF THE SEMICONDUCTOR PROPERTIES O	2337
MICROWAVE	RADIOMETRIC TECHNIQUES: A MEANS TO EXPLORE THE POSSIBLILITY OF COM	1669
CTION OF BREAST CANCER BY MICROWAVE	RADIOMETRY	2750
MICROWAVE	RADIOMETRY AND ITS POTENTIAL APPLICATIONS IN BIOLOGY AND MEDICINE:	1614
RELIMINARY EXPERIMENTS ON MICROWAVE	RADIOMETRY OF BIOLOGICAL SYSTEMS	1748
E SPECIAL APPLICATIONS OF MICROWAVE	RADIOMETRY OF BIOLOGICAL SYSTEMS	2829
MICROWAVE	RADIOMETRY : ITS POSSIBLE BIOMEDICAL APPLICATION	0332
COLOUR THERMOGRAPHY AND MICROWAVE	RADIOMETRY : THEIR APPLICATION TO BIOLOGICAL SYSTEMS UNDER MICROWAV	2291
ABSORPTION OF	RADIOPHOSPHORUS ACROSS THE SYNOVIAL MEMBRANE OF THE KNEE JOINT UND	2045

N AND CONCOMITANT HYPERTHERMIA ON A	RADIORESISTANT FIBROSARCOMA IN THE MOUSE	2335
A 1400-GAUSS MAGNETIC FIELD ON THE	RADIOSENSITIVITY AND RECOVERY OF EMT6 CELLS IN VITRO	2032
IBILITY OF PREDICTION OF INDIVIDUAL	RADIOSENSITIVITY BY THE RESPONSE TO NON-RADIATION EFFECTS	0007
	RADIOSENSITIVITY IN ELECTROMAGNETIC FIELDS	0207
MODIFICATION OF BARLEY SEED	RADIOSENSITIVITY WITH MICROWAVE RADIATION--I. EFFECT OF MOISTURE	1961
ERVOUS SYSTEM CHANGES IN WORKERS OF	RADIOTELEVISION STATIONS EXPOSED TO MICROWAVES (IN POLISH)	1621
FURTHER EXPERIENCE WITH HALF BODY	RADIOTHERAPY	2333
D ELECTROMAGNETIC INTERFERENCE FROM	RADIOTHERAPY MACHINES	3417
MICROWAVES IN	RADIOTHERAPY OF TUMORS--ALTERNATIVE TO HEAVY PARTICLES?	0906
COMBINATION OF	RADIOTHERAPY , MICROWAVE HYPERTHERMIA AND CLOSTRIDIAL ONCOLYSIS ON	0323
PULSED	RADIOWAVE (27.12 MHZ) EFFECTS ON IN VIVO AND IN VITRO TUMOR GROWTH	1162
ON OF SMALL BIOLOGICAL MOLECULES AT	RADIOWAVE AND MICROWAVE FREQUENCIES	1304
ION OF WORKING CONDITIONS INVOLVING	RADIOWAVE EMITTERS ON THE BASIS OF DYNAMIC STUDIES ON THE NATURE O	1437
EFFECT OF DIFFERENT	RADIOWAVE RANGES ON THE NERVOUS SYSTEM (SONIC STIMULUS METHOD)	1350
OGENESIS, TREATMENT, AND OUTCOME OF	RADIOWAVE SICKNESS	1441
IELDS OF VARIOUS INTENSITIES AND IN	RADIOWAVE SICKNESS	1442
RTICOID FUNCTION OF THE ADRENALS IN	RADIOWAVE SICKNESS	1443
THE	RADIOWAVE SYNDROME	0303
CONDUCTORS AND BIOLOGICAL EFFECT OF	RADIOWAVES	0478
ALS IN PROLONGED IRRADIATION BY UHF	RADIOWAVES	0975
IN RESPONSE TO NONTHERMAL INTENSITY	RADIOWAVES	2805
IN RELATION TO THE EXPOSURE OF USW	RADIOWAVES (IN POLISH)	1943
PROGRAM AND ABSTRACTS: NON-THERMAL	RADIOWAVES AND GENETIC DAMAGE IN DROSOPHILA MELANOGASTER	3621
BIOLOGICAL EFFECTS OF EMR (	RADIOWAVES AND MICROWAVES)-- EURASIAN COMMUNIST COUNTRIES	2579
OLOGICAL ACTION OF MILLIMETER RANGE	RADIOWAVES AND THEIR POSSIBLE MEDICAL APPLICATIONS	0091
MUTAGENESIS BY	RADIOWAVES IN ANTIRRHINUM MAJUS L	1377
ION IN CELLS UNDER THE INFLUENCE OF	RADIOWAVES IN THE MILLIMETER RANGE	0060
THE EFFECTS OF	RADIOWAVES ON THE GROWTH OF ANIMALS	1463
PHOLOGICAL STUDIES OF THE EFFECT OF	RADIOWAVES ON THE NERVOUS SYSTEM OF RATS SENSITIVE TO SONIC STIMUL	1351
A REVIEW OF	RADIUM TOXICITY STUDIES	3112
LULAR EFFECTS: MILLIMETER WAVES AND	RAMAN SPECTRA- REPORT OF A PANEL DISCUSSION	0392
IGH MOLECULAR WEIGHT BIOPOLYMERS BY	RAMAN SPECTROSCOPY	1609
DISCUSSION PAPER:	RAMAN SPECTROSCOPY OF MOLECULAR SPECIES DURING EXPOSURE TO 100-MHZ	1084
DS IN THE SHORT AND ULTRASHORT WAVE	RANGES	2555
THE EFFECTS OF DIFFERENT MICROWAVE	RANGES IN PULSE-CODE MODULATION AND CONTINUOUS GENERATION	1365
EFFECT OF DIFFERENT	RANGES OF EM RF WAVES ON THE CHOLINESTERASE ACTIVITY IN THE CENTRA	1353
CTS THRESHOLDS FOR VARIOUS SPECTRAL	RANGES OF LIGHT	0653
EFFECT OF DIFFERENT RADIOWAVE	RANGES ON THE NERVOUS SYSTEM (SONIC STIMULUS METHOD)	1350
A MICROWAVE APPLICATOR FOR IN VIVO	RAPID INACTIVATION OF ENZYMES IN THE CENTRAL NERVOUS SYSTEM	1034
	RAPID MEASUREMENT OF DIELECTRIC CONSTANT AND LOSS TANGENT	3446
A	RAPID METHOD OF VISUALIZING THE STRUCTURE OF AN EXTREMELY HIGH-FRE	1716
	RAPID MICROWAVE FIXATION OF RAT BRAIN	0040
MICROWAVE IRRADIATION: A NEW	RAPID TECHNIQUE FOR SEPARATING EPIDERMAL TISSUE FROM MOUSE SKIN PR	2825
ETABOLITES IN MOUSE BRAIN FOLLOWING	RAPID TISSUE FIXATION WITH MICROWAVE IRRADIATION	0810
	RAPID WARMING FROM HYPOTHERMIA BY MICROWAVES	1272
ION ON THE DIGESTIVE TRANSIT OF THE	RAT	0370
CTS OF MICROWAVE IRRADIATION IN THE	RAT	0496
RALLY BLOCKED GASTRIC MUCOSA OF THE	RAT	0623
ELECTROCORTICOGRAMS FROM THE WHITE	RAT	1061
AND INTRAUTERINE DEVELOPMENT OF THE	RAT	1087
ELDS UPON THE BEHAVIOR OF THE WHITE	RAT	1139
RANT BEHAVIOR IN THE PIGEON AND THE	RAT	1757
FFECTS OF 3000 MHZ RADIATION ON THE	RAT	1866
RENAL AXIS IN THE MICROWAVE EXPOSED	RAT	1888
E TO MICROWAVE FIELDS, ON THE WHITE	RAT	1949
ON ON THE HEMOPOIETIC SYSTEM OF THE	RAT	2005
TRO ON PERITONEAL MAST CELLS OF THE	RAT	2033
N SKELETAL MUSCLE METABOLISM IN THE	RAT	2048
THE OPEN-FIELD TEST INTO THE WHITE	RAT	2159
HT) CONTENT IN DIFFERENT ORGANS OF	RAT	2227
WAVE EXPOSURE ON DEVELOPMENT IN THE	RAT	2677
URE ON FUNCTIONAL MATURATION OF THE	RAT	2706
RET INDUCED CALLUS FORMATION IN THE	RAT	2776
MICROWAVE RADIATION IN THE PREGNANT	RAT	2865
MICROWAVE-INDUCED TERATOLOGY IN THE	RAT	2880

VELOPMENT AND FERTILITY IN THE MALE	RAT		2890
TITARY-TESTICULAR AXIS IN THE WHITE	RAT		3400
S AND ADRENAL GLANDS IN THE NEWBORN	RAT		3415
AVE ON Y-MAZE LEARNING IN THE WHITE	RAT		3503
EXAMETHYL IDONIUM SALT ON THE WHITE	RAT	(IN FRENCH)	0861
THE SMALL INTESTINAL GLANDS IN THE	RAT	(IN FRENCH)	2854
E TO CONSTANT MAGNETIC FIELD IN THE	RAT	(IN RUS.)	0160
HYPOPHYSECTOMY AND DEXAMETHASONE ON	RAT	ADRENAL RESPONSE TO MICROWAVES	0430
LANDS OF THE SMALL INTESTINE OF THE	RAT	AFTER ELECTROTHERMOCOAGULATION OF THE TUBERO-INFUNDIBULAR REGI...	2855
S, OF THE DEFENSES OF THE MOUSE AND	RAT	AGAINST EXPERIMENTAL TRYPANOSOMA	1773
NEUROENDOCRINE RESPONSES IN THE	RAT	AND DOG EXPOSED TO 2450 MHZ (CW) MICROWAVES	2676
OF MICROWAVE RADIATION ON THE WHITE	RAT	AND MOUSE	1891
BIENT TEMPERATURE INTERACT TO ALTER	RAT	BEHAVIOR FOLLOWING OVERNIGHT EXPOSURE	0417
RAPID MICROWAVE FIXATION OF	RAT	BRAIN	0040
ANSMITTERS IN DISCRETE AREAS OF THE	RAT	BRAIN	2169
TERMINATION OF ACETYLCHOLINE IN THE	RAT	BRAIN	2516
ITY IN THE SELECTIVELY HYPERTHERMIC	RAT	BRAIN	2532
ON CONTENT OF SPECIFIC AREAS OF THE	RAT	BRAIN AFTER 1600 MHZ RADIOFREQUENCY IRRADIATION	0841
NOREPINEPHRINE AND DOPAMINE IN THE	RAT	BRAIN AFTER MICROWAVE IRRADIATION	3416
RTIES OF SYNAPTOSOMES ISOLATED FROM	RAT	BRAIN CORTEX	1933
LABILE INTERMEDIARY METABOLITES IN	RAT	BRAIN DETERMINED AFTER TISSUE INACTIVATION WITH MICROWAVE IRRA	2596
ELEVATION IN	RAT	BRAIN HISTAMINE CONTENT AFTER FOCUSED MICROWAVE IRRADIATION	2591
THE HYPOTHALAMO-HYPOPHYSEAL PART OF	RAT	BRAIN IN THE ANTITUMORAL EFFECT OF A MAGNETIC FIELD	1557
TO INACTIVATE CHOLINESTERASE IN THE	RAT	BRAIN PRIOR TO ANALYSIS FOR ACETYLCHOLINE	2518
RESTORATION OF EVOKED POTENTIALS OF	RAT	BRAIN UNDER THE EFFECT OF A PERMANENT MAGNETIC FIELD	0280
F GLIO-NEURONAL RELATIONSHIP IN THE	RAT	CEREBRAL CORTEX DURING LONG-TERM EXPOSURE TO MICROWAVES	1462
ERGY AND NITROGEN METABOLISM IN THE	RAT	CEREBRAL HEMISPHERES	0429
TYCHOLINE AND CHOLINE LEVELS IN THE	RAT	CORPUS STRIATUM AFTER MICROWAVE IRRADIATION	1518
ASTING SYNAPTIC POTENTIATION IN THE	RAT	DENTATE GYRUS FOLLOWING BRIEF HIGH FREQUENCY STIMULATION	2857
FETAL	RAT	DEVELOPMENT IN RESPONSE TO MICROWAVE RADIATION	2899
NGES IN THE PERIPHERAL BLOOD OF THE	RAT	EXPOSED TO MICROWAVE RADIATION (2400 MHZ) IN CONDITIONS OF CHR...	0682
OD-BRAIN BARRIER TO MANNITOL IN THE	RAT	FOLLOWING 2450 MHZ MICROWAVE IRRADIATION	0313
CONGENITAL MALFORMATIONS IN THE	RAT	FOLLOWING INDUCED HYPERTHERMIA DURING GESTATION	2917
AIN BLOOD SERUM CONSTITUENTS IN THE	RAT	FOLLOWING MICROWAVE IRRADIATION	1984
CYCLIC AMP AND CYCLIC GMP IN THE	RAT	GASTRIC MUCOSA	2860
IC ACTIVITY OF ISOLATED SEGMENTS OF	RAT	GUT	2748
CROWAVE IRRADIATION OF THE ISOLATED	RAT	HEART AFTER TREATMENT WITH ANS BLOCKING AGENTS	2749
OF LOW POWER DENSITY MICROWAVES ON	RAT	HYPOTHALAMIC TEMPERATURES	0220
CONDITIONED TASTE AVERSIONS IN THE	RAT	INDUCED BY A SINGLE EXPOSURE TO MICROWAVES	2444
Z MICROWAVE RADIATION ON CULTIVATED	RAT	KANGAROO CELLS	1537
VITY OF REDOX ENZYMES IN THE ALBINO	RAT	LIVER (HISTOCHEMICAL INVESTIGATION)	2054
AL ANALYSIS OF THE EFFECT OF EMR ON	RAT	LIVER AND BRAIN	2356
HISTOPATHOLOGIC CHANGES IN	RAT	LIVER FOLLOWING 2450 MHZ MICROWAVE RADIATION	1314
F MICROWAVES (2450 MHZ) ON ISOLATED	RAT	LIVER MITOCHONDRIA	1076
OF MICROWAVE (2450) MHZ ON ISOLATED	RAT	LIVER MITOCHONDRIA	3554
	RAT	LYMPHOCYTES IN CELL CULTURE EXPOSED TO 2450 MHZ (CW) MICROWAVE...	2799
TERATOGENIC EFFECTS ON	RAT	OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATIO...	2340
TERATOGENIC EFFECTS ON	RAT	OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATIO...	2881
DESTRUCTION AND REGENERATION OF THE	RAT	ORGANISM UNDER MICROWAVE IRRADIATION (2,400 MHZ). (IN RUS.)	0195
YROXIN BINDING BY TISSUES OF ALBINO	RAT	ORGANS	3432
ENERGY UPON SIZE AND ORIENTATION OF	RAT	PHANTOMS IN WAVEGUIDE	2194
HE ACTIVITY OF GUANYLATE CYCLASE IN	RAT	SALIVARY GLANDS AND THEIR RELATIONSHIP TO THE INDUCTION OF GRO...	1699
AND SOME BIOCHEMICAL PROPERTIES OF	RAT	TESTES	1502
CTS OF MICROWAVE IRRADIATION OF THE	RAT	TESTES	2185
ATION ON MORPHOLOGY AND FUNCTION OF	RAT	TESTIS	2893
OWAVE) ON BONE GROWTH IN THE ALBINO	RAT		3371
XRAYS ON WALKER'S CARCINOMA OF THE	RAT	. (IN GER.)	0136
CENTRAL NERVOUS SYSTEM OF THE WHITE	RAT	. ELECTROCORTICOGRAPHICAL MODIFICATIONS (IN FRENCH)	2628
OF THE LIMBIC MIDBRAIN AREA IN THE	RAT	. EVIDENCE FOR A PARTICULAR ROLE OF THE VENTRAL MESENCEPHALIC T...	1871
A TERATOLOGICAL STUDY OF THE	RAT	: MICROWAVE AND INFRARED RADIATIONS COMPARED	2754
FOR MEASURED SAMPLED INTEGRAL-DOSE	RATE		0805
ART ASSOCIATED WITH CHANGE IN HEART	RATE		1040
HOUR OF INCUBATION, AND ON HATCHING	RATE		1559
PATTERNS IN RELATION TO RESPIRATORY	RATE	AND BODY MOVEMENT IN MACACA-MULATTA	0734
OLOGICAL EFFECTS EXPERIMENTS: HEART	RATE	AND MYOTATIC REFLEX OF FROGS	1607

DOSE	RATE AND OXYGEN CONSUMPTION RATE IN MICE CONFINED IN A SMALL HOLDE	2821
EFFECTS ON HEART RATE, RESPIRATION	RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT	0921
S (155 AND 191 MHZ) ON THE SURVIVAL	RATE AND TEMPERATURE REACTION OF TEST ANIMALS	1354
AND MICROWAVE RADIATION - III: DOSE	RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF ELE	3601
AND MICROWAVE RADIATION--III: DOSE	RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF EM	1028
DOSE	RATE DISTRIBUTION IN TRIPLE-LAYERED DIELECTRIC CYLINDER WITH IRREG	1122
PARISON OF CALCULATED ABSORBED DOSE	RATE DISTRIBUTIONS IN PHANTOM HEADS EXPOSED TO 2450 MHZ AND 915 MH	2671
MINATION OF ABSORBED MICROWAVE DOSE	RATE DISTRIBUTIONS IN PHANTOM HEADS IRRADIATED BY AN APERTURE SOUR	2590
	RATE EFFECTS IN ISOLATED HEARTS INDUCED BY MICROWAVE IRRADIATION	0526
	RATE EFFECTS IN ISOLATED TURTLE HEARTS INDUCED BY MICROWAVE IRRADI	1029
RADIATION ON GERMINATION AND GROWTH	RATE IN CORN SEEDS	2692
NESIS IN TENEBRIO MOLITOR AND HEART	RATE IN FROG TO THE INCIDENCE OF LOW LEVEL MICROWAVES	1206
IC FIELD ON THE BLOOD SEDIMENTATION	RATE IN HEALTH AND DISEASE	2014
DOSE RATE AND OXYGEN CONSUMPTION	RATE IN MICE CONFINED IN A SMALL HOLDER DURING EXPOSURE TO 2450 MH	2821
OF THE AVERAGE SPECIFIC ABSORPTION	RATE IN THE ELLIPSOIDAL CONDUCTOR AND DIELECTRIC MODELS OF HUMANS	2737
CHANGE IN AVERAGE ABSORBED DOSE	RATE OF A GROUP OF MICE UNDER REPEATED EXPOSURE TO 915 MHZ MICROWA	2672
EFFECT OF ELECTRIC FIELDS ON GROWTH	RATE OF EMBRYONIC CHICK TIBIAE IN VITRO	0592
Y ELECTRIC FIELD INDUCED CHANGES IN	RATE OF GROWTH AND BRAIN AND LIVER ENYZMES OF RATS	1782
CHANGES IN	RATE OF GROWTH, AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 H	2549
RADIATION ON THE OXYGEN-CONSUMPTION	RATE OF MICE	0369
HEAT-DISSIPATION	RATE OF MICE AFTER MICROWAVE IRRADIATION	2376
OXYGEN-CONSUMPTION	RATE OF MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION	2745
OXYGEN-CONSUMPTION	RATE OF MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION	2900
MENTAL TEMPERATURE AND AVERAGE DOSE	RATE OF MICROWAVE RADIATION ON THE OXYGEN-CONSUMPTION RATE OF MICE	0369
THE RELATION OF DOSE	RATE OF MICROWAVE RADIATION TO THE TIME OF DEATH AND TOTAL ABSORBE	0849
D ELECTRIC FIELDS ON THE GROWTH AND	RATE OF MUTATIONS OF VARIOUS MICRO-ORGANISMS	1593
, HIGH-FREQUENCY RADIO WAVES ON THE	RATE OF OSTEOGENESIS IN THE HEALING OF EXTRACTION WOUNDS IN DOGS	0993
CROWAVE IRRADIATION ON THE TURNOVER	RATE OF SERTONIN AND NOREPINEPHRINE AND THE EFFECT ON MONOAMINE ME	0570
DOSE	RATE RELATED EFFECTS ON THE OXYGEN CONSUMPTION OF MICE DURING AND	2910
RESONANT GROWTH	RATE RESPONSE OF YEAST CELLS IRRADIATED BY WEAK MICROWAVES	2697
THE INSENSITIVITY OF FROG HEART	RATE TO PULSE MODULATED MICROWAVE ENERGY	0844
VARIATION OF SERUM TRYGLYCERIDES	RATE UNDER THE ACTION OF EM WAVES: POWER LEVEL INFLUENCE	1129
WAVE AND INFRA-RED EFFECTS ON HEART	RATE , RESPIRATION RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT	0921
EXPERIMENTAL OXIDANT PRODUCTION	RATES FOR EHV TRANSMISSIONS LINES AND THEORETICAL ESTIMATES OF OZO	3113
METABOLIC	RATES IN FIVE ANIMAL POPULATIONS AFTER LONG-TERM EXPOSURE TO SANGU	1647
METABOLIC	RATES IN FIVE ANIMAL POPULATIONS AFTER PROLONGED EXPOSURE TO WEAK	1108
TWEEN ATMOSPHERIC QUALITY AND CRIME	RATES IN THE GREATER LOS ANGELES AREA	0639
N RATE OF MICE UNDER DIFFERING DOSE	RATES OF MICROWAVE RADIATION	2745
N RATE OF MICE UNDER DIFFERING DOSE	RATES OF MICROWAVE RADIATION	2900
INVESTIGATIONS AND	RATING OF THE ORGAN OF VISION OF PERSONS EXPOSED TO THE EFFECT OF	2578
INVESTIGATIONS AND	RATING OF THE ORGAN OF VISION OF PERSONS EXPOSED TO THE EFFECT OF	3474
THE MINIMUM INACTIVATED CELL	RATIO : A CONCEPT FOR THE ESTIMATION OF BIOLOGICAL EFFECTIVENESS OF	0247
	RATIONAL ANALYSIS OF ELECTRIC FIELDS IN LIVE LINE WORKING	0968
A SCIENTIFIC EXPLANATION FOR THE	RATIONALE OF ACUPUNCTURAL ANALGESIA	1896
VO INACTIVATION OF BRAIN ENZYMES IN	RATS	0085
AVES ON THE NEURO-HUMORAL SYSTEM IN	RATS	0292
ECT ON THERMOREGULATORY BEHAVIOR IN	RATS	0358
S IN THYROID AND TESTICLE WEIGHT IN	RATS	0667
OSURE ON THYMIDINE UPTAKE IN ALBINO	RATS	0719
IC FIELDS ON BRAIN WAVE ACTIVITY IN	RATS	1010
ON ON SPONTANEOUS MOTOR ACTIVITY IN	RATS	1093
IC FIELDS AND SECONDARY GLAUCOMA IN	RATS	1112
VES ON HAEMATOPOIESIS OF ADOLESCENT	RATS	1132
ECRETION OF ANTIDIURETIC HORMONE IN	RATS	1182
RADIATION ON AN OPERANT BEHAVIOR IN	RATS	1310
TE LEVELS OF THE BLOOD AND URINE IN	RATS	1357
ES ON THE BREEDING CAPACITY OF MALE	RATS	1360
LY LOW FREQUENCY ELECTRIC FIELDS ON	RATS	1421
Y AND PROGENY DEVELOPMENT IN ALBINO	RATS	1430
O MICROWAVE RADIATION IN YOUNG MALE	RATS	1434
OXINE LEVELS IN THE ORGANS OF WHITE	RATS	1513
OWTH AND BRAIN AND LIVER ENYZMES OF	RATS	1782
Y ATHERMIC PULSATING SHORT WAVES IN	RATS	1827
F THE BLOOD-BRAIN BARRIER SYSTEM OF	RATS	2015
OR BY PULSED MICROWAVE RADIATION IN	RATS	2164

IC LOW LEVEL MICROWAVE RADIATION IN	RATS		2165
OF RESONANT EM POWER ABSORPTION IN	RATS		2166
VITY IN ANTERIOR PITUITARY GLAND OF	RATS		2176
9 MEGACYCLE IRRADIATION ON MICE AND	RATS		2181
OF 45 HZ ELECTRIC FIELD EXPOSURE ON	RATS		2183
L IRON BINDING CAPACITY OF PREGNANT	RATS		2448
NS AND METABOLIC PROCESSES IN WHITE	RATS		2493
ELD ON SELF-STIMULATION RESPONSE IN	RATS		2546
HEALING AND HAZARD IN TUMOR BEARING	RATS		2649
TION ON DEVELOPMENT AND BEHAVIOR IN	RATS		2700
ATED MICROWAVE EXPOSURE ON NEONATAL	RATS		2744
RTEX AND ON HEMATOLOGIC PROFILES OF	RATS		2766
S ON STEROIDS PLASMA LEVELS IN MALE	RATS		2788
E OXYGEN TENSION AND TEMPERATURE IN	RATS	ADAPTED TO HYPOXIA	0378
REGERATIVE REACTIONS IN	RATS	AFTER MICROWAVE IRRADIATON (2400 MHZ)	2923
D DISRUPTION OF OPERANT BEHAVIOR IN	RATS	AFTER MULTIPLE EXPOSURES TO MICROWAVE RADIATION	2763
HANGES IN THE ELECTROCARDIOGRAMS OF	RATS	AND DOGS EXPOSED TO DC MAGNETIC FIELDS	0232
CAL EFFECTS OF AN ELECTRIC FIELD ON	RATS	AND RABBITS	1592
ON 2450 MHZ IRRADIATION OF PREGNANT	RATS	AND THE EFFECT ON THE FETUS	2878
AND DECELERATION OF FETAL GROWTH OF	RATS	BY 2450 MHZ MICROWAVE IRRADIATION	0222
FFECTS OF PROTRACTED IRRADIATION OF	RATS	BY 2450 MHZ MICROWAVES	2901
FFECTS OF PROTRACTED IRRADIATION OF	RATS	BY 2450-MHZ MICROWAVES	2747
INDUCTION OF TERATOGENIC EFFECTS IN	RATS	BY 27.12 MHZ RF RADIATION	2898
IRRADIATION OF	RATS	BY 918-MHZ MICROWAVES AT 2.5 MW/CM SQUARED: DELINEATING THE D	2746
PRODUCTION OF CONVULSIONS IN	RATS	BY HIGH FREQUENCY ELECTRICAL CURRENTS	1991
IRRADIATION OF	RATS	BY LOW LEVEL 918 MHZ MICROWAVES: DELINEATING THE DOSE-RESPONS	2911
G RADIATION EFFECT ON THE TESTES OF	RATS	BY MICROWAVE OR ULTRASOUND-INDUCED HYPERTHERMIA	0125
LUENCE OF 2450 MHZ CW MICROWAVES ON	RATS	EXPOSED IN-UTERO	1155
TURATION AND OPEN-FIELD BEHAVIOR IN	RATS	EXPOSED PRENATALLY TO AN ELF LOW-INTENSITY ROTATING MAGNETIC	0787
THERMAL REGULATION IN LONG-EVANS	RATS	EXPOSED TO 2450 MHZ MICROWAVE RADIATION	1433
ENIC AND REPRODUCTIVE TESTS IN MALE	RATS	EXPOSED TO 425 OR 2450 MHZ (CW) MICROWAVES	3388
PHYSIOLOGICAL CHANGES IN ADULT	RATS	EXPOSED TO AN ELF ROTATING MAGNETIC FIELD	0786
MORTALITY IN	RATS	EXPOSED TO CW MICROWAVE RADIATION AT 0.95, 2.45, 4.54, AND 7	1388
BEHAVIORAL CHANGES IN ADULT	RATS	EXPOSED TO ELF MAGNETIC FIELDS	0785
OF LIVER AND THE SMALL INTESTINE OF	RATS	EXPOSED TO HIGH FREQUENCY ELECTROMAGNETIC FIELDS. (IN RUS.)	0146
N OF ADENYL CYCLASE IN THE BRAIN OF	RATS	EXPOSED TO LOW POWER DENSITY MICROWAVE RADIATION	2412
BEHAVIORAL CHANGES OF	RATS	EXPOSED TO MICROWAVE RADIATION	1848
AIR VOLUME EXCHANGE ON SURVIVAL OF	RATS	EXPOSED TO MICROWAVE RADIATION OF 24,000 MEGACYCLES	0469
FIXED INTERVAL BEHAVIOR OF	RATS	EXPOSED TO MICROWAVES AT LOW POWER DENSITIES	2764
BIOCHEMICAL CHANGES IN THE BRAIN OF	RATS	EXPOSED TO MICROWAVES OF LOW POWER DENSITY	1141
ES OBSERVEES CHEZ DES SOURIS ET DES	RATS	EXPOSES AUX ONDES ULTRA-COURTES: ETUDE PARTICULIERE DES EFFET	2919
HEMATOLOGICAL RESPONSE OF FETAL	RATS	FOLLOWING 2450 MHZ MICROWAVE IRRADIATION	3387
MMA-AMINOBUTYRIC ACID METABOLISM IN	RATS	FOLLOWING MICROWAVE EXPOSURE	0482
MOGRAPHIC AND BEHAVIORAL STUDIES OF	RATS	IN THE NEAR FIELD OF 918-MHZ RADIATIONS	2818
EXPOSURE OF	RATS	IN UTERO THROUGH EARLY LIFE TO 2450 MHZ (CW) MICROWAVE RADIAT	2902
SURVIVAL PERIODS OF	RATS	INJECTED WITH ACETYLCHOLINE, EPINEPHRINE, HISTAMINE OR SEROTO	0355
HANGE IN THE BLOOD COUNT OF GROWING	RATS	IRRADIATED WITH A MICROWAVE PULSE FIELD	0182
WTH, AND BRAIN AND LIVER ENZYMES IN	RATS	LIVING IN 45 HZ ELECTRIC FIELDS	2549
AVOIDANCE BY	RATS	OF ILLUMINATION WITH LOW POWER NONIONIZING EM ENERGY	0914
BRAIN FREE FATTY ACID LEVELS IN	RATS	SACRIFICED BY DECAPITATION VERSUS FOCUSED MICROWAVE IRRADIATI	0928
RADIOWAVES ON THE NERVOUS SYSTEM OF	RATS	SENSITIVE TO SONIC STIMULI	1351
EXPOSURE OF	RATS	TO 425 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES	2903
CONTINUOUS EXPOSURE OF CHICKS AND	RATS	TO EM FIELDS	0753
LIC, AND CARDIOVASCULAR RESPONSE OF	RATS	TO MICROWAVES	0926
ATER CONTENT (%) IN SOME TISSUES OF	RATS	TREATED WITH NEUROCHORMONES AND IRRADIATED IN MICROWAVE FIELD	0354
AND RESTORATION OF THE ORGANISM OF	RATS	UNDER MICROWAVE IRRADIATION (2400 MHZ)	0440
OF THE LIVER AND SMALL INTESTINE OF	RATS	UNDER THE ACTION OF HIGH FREQUENCY ELECTROMAGNETIC FIELDS	0231
STYROFOAM CAGES FOR	RATS	USED IN MICROWAVE RESEARCH: COATING WITH QUININE	1009
STYROFOAM CAGES FOR	RATS	USED IN MICROWAVE RESEARCH: COATING WITH QUININE	2904
ENCE THE FEEDING BEHAVIOUR OF BROWN	RATS	USING ELECTROMAGNETISM	0348
OF STRONG 60-HZ ELECTRIC FIELDS IN	RATS		0373
ATED MICROWAVE EXPOSURE IN NEONATAL	RATS		2885
ON THYROID AND ADRENAL FUNCTION IN	RATS		3214
LONG-TERM LOW-LEVEL RF EXPOSURE ON	RATS	: A PLAN	0400
L, 45-HZ ELECTRIC FIELD EXPOSURE OF	RATS	: A SEARCH FOR GROWTH, FOOD AND WATER CONSUMPTION, BLOOD METAB	0937

VERTICAL ELECTRIC FIELD EXPOSURE OF	RATS : A SEARCH FOR GROWTH, FOOD CONSUMPTION AND BLOOD METABOLITE A	1787
VERTICAL ELECTRIC FIELD EXPOSURE OF	RATS : IRRADIATION FACILITY	1788
N PITUITARY STALK BLOOD FROM FEMALE	RATS : SEX STEROID MODULATION OF RESPONSE TO ELECTRICAL STIMULATION	0635
OPERANTES TRINKVERHALTEN VON	RATTEN IN HOCHSPANNUNGS- 50 HZ-WECHSELFELDERN	2365
EFFECT OF 'ELECTRIC	RAY ' OVEN EXPOSURE ON SYSTEMIC LUPUS ERYTHEMATOSUS	2012
OF OCCUPATIONAL DISEASES CAUSED BY	RAYS OF DIFFERENT WAVELENGTHS (IN GERMAN)	1626
UPER-HIGH FREQUENCY ENERGY INFRARED	RAYS ON THE SECRETORY FUNCTION OF THE STOMACH (IN RUSSIAN)	2701
F THE YIELD OF THE TRIPLET STATE IN	REACTION CENTERS OF PHOTOSYNTHETIC BACTERIA	2401
E EM FIELDS ON THE ENZYME-SUBSTRATE	REACTION IN AQUEOUS SOLUTIONS AND ORGANIC SOLVENTS	2481
	REACTION OF CELL-MEDIATED IMMUNITY TO LOCAL HYPERTHERMIA OF TUMORS	0340
THE	REACTION OF LUMINOUS BACTERIA TO MICROWAVE RADIATION EXPOSURES IN	3220
COMPLEX	REACTION OF LYMPHOID TISSUE TO INTERMITTENT MAGNETIC FIELDS	1997
, RESPIRATION, TREAD MILL ACTIVITY,	REACTION OF SENSES, AND LEARNING (IN SWEDISH)	0070
N THE SURVIVAL RATE AND TEMPERATURE	REACTION OF TEST ANIMALS	1354
	REACTION OF THE ENDOCRINE SYSTEM TO THE EFFECT OF EM FIELD OF INDU	2031
MECHANISM OF	REACTION OF THE HYPOPHYSEO-ADRENAL SYSTEM ON STRESS ACTION OF THE	2077
ELEMENTS OF SIMILARITY IN THE	REACTION OF THE LYMPHOID TISSUE TO ANTIGENIC AND NONANTIGENIC (ALT	2039
ELECTRICAL	REACTION OF THE RABBIT CEREBRAL CORTEX TO VARIOUS EM FIELDS (IN RU	2000
TEMPERATURE	REACTION OF THE SKIN DURING IRRADIATION WITH MICRO-WAVES OF LOW IN	0607
FREQUENCY ELECTRIC FIELDS ON HUMAN	REACTION TIME	1032
RVOUS-SYSTEM EFFECTS AS MEASURED BY	REACTION TIME	1752
RVOUS-SYSTEM EFFECTS AS MEASURED BY	REACTION TIME IN SQUIRREL MONKEYS EXPOSED FOR SHORT PERIODS TO EXT	1297
EFFECT OF MAGNETIC FIELDS ON	REACTION TIME PERFORMANCE	2107
MOUSE BONE MARROW	REACTION TO ALTERED UHF MILLIMETER IRRADIATION PARAMETRIC VARIATIO	1485
CENTRAL NERVOUS SYSTEM AND BEHAVIOR	REACTIONS	0277
REGERATIVE	REACTIONS IN RATS AFTER MICROWAVE IRRADIATON (2400 MHZ)	2923
ENZYME-SUBSTRATE	REACTIONS IN VERY HIGH MAGNETIC FIELDS. I	2116
CHANGES IN AN ORGANISM'S BEHAVIORAL	REACTIONS INDUCED BY MICROWAVE RADIATION	0433
CHANGES IN CERTAIN PROTECTIVE	REACTIONS OF AN ORGANISM UNDER THE INFLUENCE OF SW IN EXPERIMENTAL	1457
	REACTIONS OF LIVING ORGANISMS TO EXPOSURE TO MILLIMETER- BAND ELEC	3272
	REACTIONS OF LIVING ORGANISMS TO EXPOSURE TO MILLIMETER-BAND EM WA	2305
HETEROGENEITY OF THE	REACTIONS OF NEURONS FROM DIFFERENT PARTS OF THE BRAIN TO REPEATED	0350
F DIFFERENT BRAIN FORMATIONS IN EEG	REACTIONS OF RABBITS TO A CONSTANT MAGNETIC FIELD AND TO ULTRAHIGH	1486
NCY RANGE ON THE COURSE OF ALLERGIC	REACTIONS OF THE DELAYED TYPE	0317
	REACTIONS OF THE HORMONAL LINK OF THE SYMPATHO-ADRENAL SYSTEM TO S	1230
EFFECT OF MICROWAVES ON THE	REACTIONS OF THE WHITE BLOOD CELLS SYSTEM	3255
CLINICAL MANIFESTATIONS OF	REACTIONS TO MICROWAVE IRRADIATION IN VARIOUS OCCUPATIONAL GROUPS	0885
THE ROLE OF THE NERVOUS SYSTEM IN	REACTIONS TO UHF EM FIELDS	0525
IVITY IN RUUNNING WHEEL, PERCEPTION	REACTIONS , AND TRAINI	0120
ANGE ON THE COURSE OF SLOW ALLERGIC	REACTIONS . (IN RUSSIAN)	0344
AND SOFT X-RAYS ON IMMUNOBIOLOGICAL	REACTIVITY OF ANIMALS	1453
IMMUNOLOGICAL	REACTIVITY OF ANIMALS IN PROLONGED IRRADIATION BY UHF RADIOWAVES	0975
NT ON THE EFFECT OF EM WAVES ON THE	REACTIVITY OF CELLS AND TISSUES. IV. COMMUNICATION: EFFECT OF IRR	2016
IMMUNOLOGICAL	REACTIVITY OF THE BODY UNDER THE EFFECT OF SUPER-HIGH FREQUENCY EM	2715
ITH RED-LIGHT AND MICROWAVES ON THE	REACTIVITY OF THE CHORIOALIANTOIC MEMBRANE	2016
CHANGES IN THE IMMUNOLOGICAL	REACTIVITY OF THE ORGANISM AND IN THE PROPERTIES OF BACTERIA, VIRU	2261
STATE OF IMMUNOLOGICAL	REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUST	0162
EFFECTS: A CONSIDERATION IN FUSION	REACTOR DEVELOPMENT	1638
RESEARCH NEEDED FOR SETTING OF	REALISTIC SAFETY STANDARDS	2981
ADIATION FROM LASERS AND TELEVISION	RECEIVERS	0597
ADIATION FROM LASERS AND TELEVISION	RECEIVERS--AN ANNOTATED BIBLIOGRAPHY	0562
LD STRENGTH MEASUREMENTS TAKEN WITH	RECEIVING ANTENNA 10 FEET ABOVE GROUND- NEW YORK CITY UHF-TV PROJE	3524
THE	RECEIVING ANTENNA AND MICROWAVE POWER RECTIFICATION	2934
TRANSMITTING AND	RECEIVING FORMULAS FOR ANTENNAS AND FIELD INTENSITY METERS	3292
	RECEPTION OF MICROWAVES BY THE BRAIN	0838
CHARACTERISTICS OF CRAYFISH STRETCH	RECEPTOR FOR MICROWAVE RADIATION (IN JAPANESE)	1948
DECREASE OF ACETYLCHOLINE	RECEPTOR SYNTHESIS IN MUSCLE CULTURES BY ELECTRICAL STIMULATION	0672
EASE IN THE FREQUENCY OF COMPLEMENT	RECEPTOR-BEARING LYMPHOID SPLEEN CELLS IN MICE	2066
OELECTRIC TRANSDUCERS AND MICROWAVE	RECEPTORS	2816
ELECTROPHORESIS OF CONCANAVALIN A	RECEPTORS ALONG EMBRYONIC MUSCLE CELL MEMBRANE	1837
ON II. BIRD FEATHERS AS DIELECTRIC	RECEPTORS OF MICROWAVE RADIATION	2218
TIES OF BIRD FEATHERS AS DIELECTRIC	RECEPTORS OF MICROWAVE RADIATION AT KU-BAND FREQUENCIES	1830
SE PIEZOELECTRIC TRANSDUCERS AND AS	RECEPTORS OF MICROWAVE RADIATION I. BIRD FEATHERS AS CONVERSE PIE	2458
SE PIEZOELECTRIC TRANSDUCERS AND AS	RECEPTORS OF MICROWAVE RADIATION II. BIRD FEATHERS AS DIELECTRIC	2218
BIRD FEATHERS AS DIELECTRIC	RECEPTORS OF RF FIELDS	1831

DUCTION OF X-RAY INDUCED SEX-LINKED	RECESSIVE LETHALS	1966
	RECHERCHES SUR LES LESIONS VISCERALES OBSERVEES CHEZ DES SOURIS ET	2919
EFFECT OF MAGNETIC FIELD ON THE	RECOMBINATION FLUORESCENCE OF PHOTOSYNTHETIC BACTERIA (IN RUSSIAN	0032
	RECOMMEND SAFETY PROCEDURES FOR THE INSTALLATION AND USE OF RADIOF	0284
NCLUDING FUTURE RESEARCH NEEDS) AND	RECOMMENDATIONS	0899
	RECOMMENDATIONS FOR SPECIFYING EM WAVE IRRADIATION CONDITIONS IN B	1330
ECTROMAGNETIC COMPABILITY SYMPOSIUM	RECORD	2982
TENSITY RANGE ON MICE. BODY WEIGHT,	RECTAL TEMPERATURE, RESPIRATION, ACTIVITY IN RUUNNING WHEEL, PERCE	0120
E OF MICROWAVES WITHIN MICE WEIGHT,	RECTAL TEMPERATURE, RESPIRATION, TREAD MILL ACTIVITY, REACTION OF	0070
Y-CAGES AND IN AN ELECTRIC FIELD OF	RECTANGULAR 10 CYCLES (IN GERMAN)	2645
RELATIVE HEATING PATTERNS DUE TO A	RECTANGULAR APERTURE SOURCE IN DIRECT CONTACT WITH BILAYERED BIOLO	2947
AN ELECTRIC FIELD, OSCILLATING WITH	RECTANGULAR PULSES AT A FREQUENCY OF 10 HZ (IN GERMAN)	2646
MICROWAVE-POWER ABSORPTION BY	RECTANGULAR-SHAPED CONDUCTIVE DIELECTRIC SAMPLES IN STRIPLINE	1646
CEIVING ANTENNA AND MICROWAVE POWER	RECTIFICATION	2934
CT OF HOMOGENEOUS MAGNETIC FIELD ON	RED BLOOD CELLS: A CELL ELECTROPHORETIC STUDY	0117
ICATION: EFFECT OF IRRADIATION WITH	RED-LIGHT AND MICROWAVES ON THE REACTIVITY OF THE CHORIOALIANTOIC	2016
: II--ESTIMATION OF MAXIMUM SURFACE	REDOX (THEORETICAL NON-GASSING) LIMITS	0973
UENCY MAGNETIC FIELD ON ACTIVITY OF	REDOX ENZYMES IN THE ALBINO RAT LIVER (HISTOCHEMICAL INVESTIGATION	2054
TECHNIQUE FOR	REDUCING THE AMBIENT ELECTRIC FIELD GENERATED BY INDUCTIVE VOLTAGE	1210
	REDUCTION OF DENTAL POSTSURGICAL SYMPTOMS USING NONTHERMAL PULSED	1810
	REDUCTION OF FUNCTIONAL CAPACITIES OF THE HEART UNDER CONDITIONS O	2713
FFECT OF AMBIENT TEMPERATURE ON THE	REDUCTION OF MICROWAVE ENERGY ABSORPTION BY MICE	2762
S AND SOME INDICATORS OF OXIDATION-	REDUCTION PROCESSES IN THE ORGANISM	2348
MICROWAVE CATARACTS--A CASE REPT.	REEVALUATED	0772
	REEVALUATION OF LETHAL ELECTRIC CURRENTS	3278
DISTINCTIONS	REFERABLE TO THE EFFECTS OF ELECTROMAGNETIC ENERGY IN THE SUPERHIG	0061
	REFERENCE DATA FOR RADIOFREQUENCY EMISSION HAZARD ANALYSIS	0584
THE NULL MAGNETIC FIELD AS	REFERENCE FOR THE STUDY OF GEOMAGNETIC DIRECTIONAL EFFECTS IN ANIM	1023
C DESCRIPTION OF A HELICAL FRAME OF	REFERENCE SYSTEM IN THE SPECIAL THEORY OF RELATIVITY	0424
US AND PAIN, BEHAVIOR, WITH SPECIAL	REFERENCE TO ENDOCRINOLOGICAL FINDINGS	3419
ICROWAVE RADIATION, WITH PARTICULAR	REFERENCE TO THE EYE	2869
LOOD-FORMING SYSTEM WITH PARTICULAR	REFERENCE TO THE LYMPHOCYTE	1074
HE TREATMENT OF CANCER WITH SPECIAL	REFERENCE TO THE ROLE OF ULTRASONIC AND MICROWAVE HEATING	1225
SOVIET, EAST EUROPEAN, AND WESTERN	REFERENCES	2148
MICROWAVE	REFLECTION AND DIFFRACTION BY MAN	0884
MICROWAVE	REFLECTION DIFFRACTION AND TRANSMISSION BY MAN	0824
DETERMINATION OF THE COEFFICIENT OF	REFLECTION FOR MULTILAYERED SYSTEMS OF BIOLOGICAL TISSUES IN THE M	0605
RELATED TO THE MEASUREMENT OF SMALL	REFLECTIONS IN PRECISION COAXIAL TRANSMISSION LINES	3346
MAN WITH AND WITHOUT GROUNDING AND	REFLECTOR EFFECTS	2733
CONDITIONED	REFLEX ACTIVITY IN DOGS UNDER LOCAL INFLUENCE OF A V.H.F. FIELD UP	2024
5 MHZ MICROWAVES ON THE CONDITIONED	REFLEX ACTIVITY OF ANIMALS	1349
XPERIMENTS: HEART RATE AND MYOTATIC	REFLEX OF FROGS	1607
FIELD ON ELABORATION OF CONDITIONED	REFLEXES IN MICE UNDER FOOTHILL AND ALPINE CONDITIONS	0273
THE TRANSMISSION OF	REFLEXES IN THE SPINAL CORD OF CATS DURING DIRECT IRRADIATION WITH	1639
THE USE OF CONDITIONED	REFLEXES TO STUDY MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM	1249
DUODENAL-GASTRIC	REFLUX AND SLOWED GASTRIC EMPTYING BY ELECTRICAL PACING OF THE CAN	1840
EMPOWERING BODY TO	REGENERATE	1784
AN EXAMINATION OF	REGENERATING HEPATIC TISSUE FOLLOWING IN VIVO EXPOSURE TO R. F. RA	0867
AN EXAMINATION OF	REGENERATING HEPATIC TISSUE SUBJECTED TO RADIO-FREQUENCY IRRADIATI	1270
RIC CURRENT SPARKS MAMMALIAN TISSUE	REGENERATION	0739
ULSED EM ENERGY ON PERIPHERAL NERVE	REGENERATION	1054
STIMULATION OF ARTICULAR CARTILAGE	REGENERATION	2238
T ON STIMULATION OF ADULT FROG LIMB	REGENERATION	2239
CT OF SIXTY-CYCLE AC CURRENT ON THE	REGENERATION AXIS OF DUGESIA	2648
CE OF MAGNETIC FIELDS ON GROWTH AND	REGENERATION IN ORGAN CULTURE	0147
EXPERIMENTAL	REGENERATION IN PERIPHERAL NERVES AND THE SPINAL CORD IN LAB. ANIM	0855
SE ELECTRICAL CURRENT ON REPARATIVE	REGENERATION OF THE BONE TISSUE (IN RUSSIAN)	2075
PHYSIOLOGICAL	REGENERATION OF THE CORNEAL EPITHELIUM EXPOSED TO SUPERSTRONG CONS	1402
EFFECTS OF DESTRUCTION AND	REGENERATION OF THE RAT ORGANISM UNDER MICROWAVE IRRADIATION (2,40	0195
HISTOMORPHOLOGICAL INVESTIGATION OF	REGENERATION OF WOUNDS IN ANIMALS EXPOSED TO THE LONG-TERM ACTION	1519
	REGERATIVE REACTIONS IN RATS AFTER MICROWAVE IRRADIATON (2400 MHZ)	2923
F MATERIALS IN THE ULF, ELF AND VLF	REGION	1183
F METHYL PALMITATE IN THE MICROWAVE	REGION	3482
OF THE HUMAN BODY IN THE RESONANCE	REGION	3528
ECT OF INDUCTOTHERAPY OF THE LUMBAR	REGION IN DERMATOLOGY (IN RUSSIAN)	2716

		1794
ECTRA OF ERYTHROCYTE SHADOWS IN THE	REGION OF AMIDE I AND AMIDE II BANDS UNDER MICROWAVE IRRADIATION (	2855
GULATION OF THE TUBERO-INFUNDIBULAR	REGION OF THE HYPOTHALAMUS AND SIMULTANEOUS RESECTION OF THE PINEA	0475
OF THE HUMAN BODY IN THE MICROWAVE	REGION OF THE SPECTRUM	0025
S (ACCORDING TO DATA FOR KUIBYSHEV	REGION) (IN RUSSIAN)	1184
CAL EFFECTS OF EM FIELDS IN THE ELF	REGION . PART II. A REVIEW	3201
HEIR METHYL ESTERS IN THE MICROWAVE	REGION	2526
VELS OF CYCLIC NUCLEOTIDES IN MOUSE	REGIONAL BRAIN FOLLOWING 300MS MICROWAVE INACTIVATION	1439
	REGIONAL LOCATION OF METEOROLOGICAL RADAR STATIONS	0594
ON OF THE WORLD HEALTH ORGANIZATION	REGIONAL OFFICE FOR EUROPE	2527
APPARENT	REGIONAL TURNOVER OF ACETYLCHOLINE IN MOUSE BRAIN: METHODOLOGICAL	1202
HOLINE CONCENTRATION IN MOUSE BRAIN	REGIONS	1737
OF ROOM TEMPERATURE SUPERCONDUCTIVE	REGIONS	2851
TERS, AND FIXED RADAR BY STATES AND	REGIONS	1620
OF ACETYLCHOLINE IN DIFFERENT BRAIN	REGIONS IN VIVO FOLLOWING ALTERNATIVE METHODS OF SACRIFICE BY MICR	1482
F THE ACTION OF EM WAVES AT VARIOUS	REGIONS OF THE RADIO BAND ON SOME FUNCTIONAL INDICES IN WORKERS	3227
TERS, AND FIXED RADAR BY STATES AND	REGIONS	1296
RADIATION INCIDENTS	REGISTRY REPT. 1970	0375
	REGULATING POSSIBLE HEALTH EFFECTS FROM AC TRANSMISSION LINE ELECT	1085
GENETIC CONTINUITY AND METABOLIC	REGULATION AS SEEN BY THE EFFECTS OF VARIOUS MICROWAVE AND BLACK L	2986
OF GENETIC CONTINUITY AND METABOLIC	REGULATION BASED ON THE PRE-EXISTING ANATOMY OF CELLS AND MOLECULA	0655
THERMOGENETIC AND CARDIODYNAMIC	REGULATION IN DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES	1433
THERMAL	REGULATION IN LONG-EVANS RATS EXPOSED TO 2450 MHZ MICROWAVE RADIAT	2914
	REGULATION OF BODY TEMPERATURE IN MAN	2327
F THE CENTRAL NERVOUS SYSTEM IN THE	REGULATION OF CARBOHYDRATE METABOLISM IN ANIMALS EXPOSED TO AN ULT	3516
RGY & DEPARTMENT OF LABOR RULES AND	REGULATIONS	3109
SAFETY STANDARDS AND	REGULATIONS FOR HANDLING SOURCES OF HIGH, ULTRAHIGH, AND SUPERHIGH	3077
STANDARDS AND	REGULATIONS FOR THE PROTECTION OF LABOR DURING WORK ON SUBSTATIONS	0488
MICROWAVE OVEN LEAKAGE: FEDERAL	REGULATIONS SOON	0597
AN ANNOTATED BIBLIOGRAPHY OF	REGULATIONS , STANDARDS AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADI	0562
	REGULATIONS , STANDARDS, AND GUIDES FOR MICROWAVES, ULTRAVIOLET RAD	2980
PROGRESS IN THE	REGULATORY CONTROL OF RADIO INTERFERENCE	0472
DEVELOPMENT OF	REGULATORY PROGRAMS UNDER THE RADIATION CONTROL FOR HEALTH AND SAF	1673
	REINFORCEMENT OF TRANSIENT BRAIN RHYTHMS BY AMPLITUDE- MODULATED V	0956
AVE RADIATION FROM AN AUTOMODULATED	RELATIVISTIC ELECTRON BEAM	0428
	RELATIVISTIC KINEMATIC EQUATIONS AND THE THEORY OF CONTINUOUS MEDI	0424
NCE SYSTEM IN THE SPECIAL THEORY OF	RELATIVITY	3403
MICROWAVE DIELECTRIC	RELAXATION OF AQUEOUS SOLUTIONS OF DEXTRAN	0031
DIELECTRIC	RELAXATION OF COLLAGEN IN AQUEOUS SOLUTIONS	0041
DIELECTRIC	RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS	1934
ANE-BOUNDED PARTICLES OF BIOLOGICAL	RELEVANCE	1629
OF UHF EM WAVES ON SOME INDICES OF	RENAL FUNCTION AND WATER-SALT METABOLISM (IN RUSSIAN)	1503
AVES ON THE FUNCTION OF HEPATIC AND	RENAL MITOCHONDRIA	1511
NCTION AND STRUCTURE OF HEPATIC AND	RENAL MITOCHONDRIA	3475
ALTERED	RENOPRESSOR RESPONSE-PATTERN TO ENDOTOXIN RADIATED WITH RADIO-FREQ	0904
EM FIELDS AND SKIN WOUND	REPAIR	1066
O FOR CATARACTS AMONG VETERAN RADAR	REPAIR AND MAINTENANCE TECHNICIANS	1050
ACCELERATION OF FRACTURE	REPAIR BY EM FIELDS. A SURGICALLY NONINVASIVE METHOD	0644
AUGMENTATION OF BONE	REPAIR BY INDUCTIVELY COUPLED EM FIELDS	1136
MODIFICATION OF THE	REPAIR OF RADIATION DAMAGE OF HAEMATOPOIESIS IN MICE BY MICROWAVES	2801
MODIFICATION OF	REPAIR OF X-IRRADIATION DAMAGE OF HEMOPOIETIC SYSTEM OF MICE BY MI	2688
CONTROL OF	REPAIR PROCESSES BY EM FIELDS	0227
Z PULSED EMR ON AN ESCHERICHIA COLI	REPAIR-DEFICIENT MUTANT	0158
TRIC STIMULATION OF BONE GROWTH AND	REPAIR : A REVIEW OF DIFFERENT STIMULATION METHODS	0774
MICROWAVE OVEN	REPAIR : HAZARD EVALUATION	0714
LUATION AND CONTROL OF EXPOSURES IN	REPAIRING MICROWAVE OVENS	3186
	REPAIRMEN OF MICROWAVE SOURCES	2822
D ELECTRIC CURRENT ON THE COURSE OF	REPARATIVE OSTEOGENESIS	2075
CT OF IMPULSE ELECTRICAL CURRENT ON	REPARATIVE REGENERATION OF THE BONE TISSUE (IN RUSSIAN)	0046
TECHNIQUES FOR UNIFORM AND	REPLICABLE MICROWAVE HYPERTHERMIA OF A MODEL MOUSE CARCINOMA	1077
CROWAVES ON CELL FUNCTION AND VIRUS	REPLICATION IN CELL CULTURES IRRADIATED IN VITRO	2873
STUDIES ON THE	REPRODUCTION AND TESTICULAR MICROSTRUCTURE OF MICE EXPOSED TO MICR	2919
IERE DES EFFETS DE CES ONDES SUR LA	REPRODUCTION DE CES ANIMAUX	2925
ION AND CONVENTIONAL HEATING ON THE	REPRODUCTIVE CAPACITY OF DROSOPHILA MELANOGASTER	2580
F INDUSTRIAL FREQUENCY EM FIELDS ON	REPRODUCTIVE FUNCTION	2871
	REPRODUCTIVE FUNCTION	

EFFECT OF VARIOUS EM FIELDS ON THE	REPRODUCTIVE	PERFORMANCE OF CHICKENS	2687
MUTAGENIC AND	REPRODUCTIVE	TESTS IN MALE RATS EXPOSED TO 425 OR 2450 MHZ (CW) MI	3388
FORMATION AND	RESEALING	OF PORES OF CONTROLLED SIZES IN HUMAN ERYTHROCYTE MEMBRA	2297
ELECTRICAL ASPECTS OF TRANSURETHRAL	RESECTION	OF PROSTATE WITH HIGH-FREQUENCY CURRENTS (IN GERMAN)	2642
F THE HYPOTHALAMUS AND SIMULTANEOUS	RESECTION	OF THE PINEAL GLAND (IN FRENCH)	2855
A SURVEY OF	RESIDENTIAL	AND COMMMERCIAL MICROWAVE OVENS IN ORANGE COUNTY, CALI	0683
T OF AN ELECTROSTATIC FIELD FREE OF	RESIDUAL	WAVES ON THE MOTILITY OF THE MOUSE (IN GERMAN)	2703
SION IN SUSPENSIONS OF ION-EXCHANGE	RESINS		1852
HRESHOLD FIXES APPLIANCE INSULATION	RESISTANCE		3281
HE MEASUREMENT OF SUBSTATION GROUND	RESISTANCE	AND ITS USE IN DETERMING PROTECTION FOR METALLIC COMMUN	3117
THE	RESISTANCE	OF BATS TO JAMMING	3504
OF A MAGNETIC FIELD ON THE NATURAL	RESISTANCE	OF WHITE MICE TO LISTERIA INFECTION	2486
CTROPULSE ACTION FOR INCREASING THE	RESISTANCE	TO EXPERIMENTALLY	0101
THE ELECTRICAL	RESISTIVITY	OF AQUEOUS CYTOPLASM	2540
TUMOR DETECTION BY NUCLEAR MAGNETIC	RESONANCE		1967
MODELS OF MAN WITH FREQUENCIES NEAR	RESONANCE		2188
HEROID MODELS OF MAN AND ANIMALS AT	RESONANCE		2785
OUR OF METHYL PALMITATE:EVIDENCE OF	RESONANCE	ABSORPTION	3483
	RESONANCE	ABSORPTION OF MICROWAVES BY THE HUMAN SKULL	1704
ION OF THE APPLICATIONS OF MAGNETIC	RESONANCE	ABSORPTION SPECTROSCOPY TO THE STUDY OF THE EFFECTS OF M	1472
NUCLEAR AND ELECTRON PARAMAGNETIC	RESONANCE	AND ITS APPLICATION TO BIOLOGY	0832
A	RESONANCE	METHOD FOR MEASUREMENT OF LARGE DIELECTRIC CONSTANT WITH	3288
	RESONANCE	METHOD FOR THE DETERMINATION OF THE COMPLEX DIELECTRIC C	0883
SURVEY ARTICLE ON NIEMR	RESONANCE	PHENOMENA	0384
	RESONANCE	PHENOMENA IN THE ACTION OF MILLIMETER ELECTRO- MAGNETIC	0294
EFFICIENCY OF THE HUMAN BODY IN THE	RESONANCE	REGION	3528
ON THE USE OF ELECTRON PARAMAGNETIC	RESONANCE	TO EVALUATE THE CHEMICAL AND/OR PHYSICAL CHANGES IN THE	1581
L EFFECTS OF MICROWAVE RADIATION AT	RESONANT	AND NONRESONANT WAVELENGTHS	2761
	RESONANT	ELECTROMAGNETIC POWER DEPOSITION IN MAN WITH AND WITHOUT	3618
BEHAVIORAL EFFECTS OF	RESONANT	EM POWER ABSORPTION IN RATS	2166
	RESONANT	GROWTH RATE RESPONSE OF YEAST CELLS IRRADIATED BY WEAK MI	2697
A DIELECTRIC	RESONATOR	METHOD OF MEASURING INDUCTIVE CAPACITIES IN THE MILLIMET	3340
SUAL OBSERVATION OF HIGH DIELECTRIC	RESONATOR	MODES	3363
IN AN ACTIVE FABROY-PEROT MICROWAVE	RESONATOR		3308
ANDPASS FILTER EMPLOYING DIELECTRIC	RESONATORS		3353
STREPTOMYCIN	RESORPTION	FROM THE PLEURA UNDER THE EFFECT OF INDUCTOTHERMY CURRE	2599
THE EFFECT OF THE RADIATION ON SKIN	RESPIRATION		0523
ONINVASIVE MICROWAVE MEASUREMENT OF	RESPIRATION		1329
EFFECT OF PULSED MICROWAVES ON SKIN	RESPIRATION	AND BIOCHEMISTRY	0453
CELLULAR	RESPIRATION	IN INTERMITTENT MAGNETIC FIELDS	2117
ND INFRA-RED EFFECTS ON HEART RATE,	RESPIRATION	RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT	0921
E. BODY WEIGHT, RECTAL TEMPERATURE,	RESPIRATION	, ACTIVITY IN RUUNNING WHEEL, PERCEPTION REACTIONS, AND	0120
NED CONTROL OF CARDIAC ACTIVITY AND	RESPIRATION	, AND MORPHOLOGICAL CHANGES IN THE BRAIN OF PIGEONS UND	1308
IN MICE:WEIGHT, RECTAL TEMPERATURE,	RESPIRATION	, TREAD MILL ACTIVITY, REACTION OF SENSES, AND LEARNING	0070
AIR LINE MICROWAVE EXPOSURE SYSTEM	RESPIRATORY	ACTIVITY OF MITOCHONDRIA IRRADIATED AT 2-4 GHZ	2175
NFLUENCE OF ELECTROSTATIC FIELDS ON	RESPIRATORY	ENZYMES	0382
OXYGEN CONSUMPTION AND	RESPIRATORY	QUOTIENT IN FIVE ANIMAL POPULATIONS NATURALLY EXPOSED	1390
OXYGEN CONSUMPTION AND	RESPIRATORY	QUOTIENT IN FIVE ANIMAL POPULATIONS NATURALLY EXPOSED	1763
EEG PATTERNS IN RELATION TO	RESPIRATORY	RATE AND BODY MOVEMENT IN MACACA-MULATTA	0734
N INDICES OF THE CARDIOVASCULAR AND	RESPIRATORY	SYSTEMS (IN RUSSIAN)	2079
MAGNETOTROPISM: A NEW PLANT-GROWTH	RESPONSE		2094
YPERTHERMIA ON HUMAN SKIN AND TUMOR	RESPONSE		2341
MOLECULAR	RESPONSE	CHARACTERISTICS TO ULTRA-HIGH FREQUENCY FIELDS	1562
THERMAL	RESPONSE	IN MACACA MULATTA EXPOSED TO 15- AND 20-MHZ RADIOFREQUENC	2644
ULATED EM FIELD ON SELF-STIMULATION	RESPONSE	IN RATS	2546
WITH LOCALIZED HYPERTHERMIA ON THE	RESPONSE	OF A MOUSE MAMMARY TUMOR	3423
THE	RESPONSE	OF AN AMELANOTIC HAMSTER MELANOMA TO VARIOUS TREATMENT MO	2363
CE OF THERMAL AND EM EFFECTS IN THE	RESPONSE	OF BACILLUS SUBTILIS SPORES TO MICROWAVE EXPOSURE	2407
THE	RESPONSE	OF BEES TO ELECTRIC FIELDS	0291
P-N JUNCTIONS AND THE PIEZOELECTRIC	RESPONSE	OF BONE	2092
SYNTHESIS OF FREQUENCY	RESPONSE	OF ELECTRIC FIELD PROBES	2217
	RESPONSE	OF ELECTRICALLY SHORT CABLES TO TRANSIENT EM FIELDS	0650
HEMATOLOGICAL	RESPONSE	OF FETAL RATS FOLLOWING 2450 MHZ MICROWAVE IRRADIATION	3387
	RESPONSE	OF GALLUS CHICKS TO ELECTROSTATIC FIELDS	2696
	RESPONSE	OF INSULATED ELECTRIC FIELD PROBES IN FINITE HETEROGENEOU	0051

TRANSIENT	RESPONSE	OF LOW FREQUENCY VERTICAL ANTENNAS TO HIGH ALTITUDE NUCLE	3098
IN-VITRO	RESPONSE	OF LYMPHOCYTE CULTURES EXPOSED TO RF RADIATION: PROGRESS	2613
IMMUNE	RESPONSE	OF MICE TO 2450-MHZ MICROWAVE RADIATION: OVERVIEW OF IMMU	2756
	RESPONSE	OF NONSPHERICAL BIOLOGICAL PARTICLES TO ALTERNATING ELECT	0553
	RESPONSE	OF PLANTS AND SOIL MICROORGANISMS TO EXTREMELY LOW FREQUE	1761
RF	RESPONSE	OF RADIATION SURVEY INSTRUMENTS	1286
TORY, METABOLIC, AND CARDIOVASCULAR	RESPONSE	OF RATS TO MICROWAVES	0926
MICROWAVE HEARING: THE	RESPONSE	OF SINGLE AUDITORY NEURONS IN THE CAT TO PULSED MICROWAVE	2758
	RESPONSE	OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS	0144
	RESPONSE	OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS	0199
MAGNETIC FIELDS ON THE BIOELECTRIC	RESPONSE	OF THE ALGA NITELLA CLAVATA	1583
NEUROENDOCRINE AND CARDIODYNAMIC	RESPONSE	OF THE DOG SUBJECTED TO CRANIAL EXPOSURE TO 2450 MHZ MICR	2445
	RESPONSE	OF THE DOG TO 24,000 AND 1285 MHZ MICROWAVE EXPOSURE	0617
INVESTIGATION OF THE	RESPONSE	OF THE MICROLITE 287 PROBE TO MICROWAVE FIELDS, BRH/DEP ?	3033
RADIATION (2,450 MHZ) ON THE IMMUNE	RESPONSE	OF THE MOUSE	0312
	RESPONSE	OF THE NERVOUS SYSTEM TO MICROWAVE RADIATION	2484
RESONANT GROWTH RATE	RESPONSE	OF YEAST CELLS IRRADIATED BY WEAK MICROWAVES	2697
CIRCUITRY FOR A 3-SECOND	RESPONSE	TIME IN THE NARDA 8100 MICROWAVE SURVEY INSTRUMENT, BRH/	3040
LACK OF MICROBIAL GENETIC	RESPONSE	TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ PULSED MICROWAVES	0366
BIOEFFECTS IN	RESPONSE	TO A LOW INTENSITY PULSED 9,400 MHZ MICROWAVE ELECTROMAGN	0415
ALE RATS: SEX STEROID MODULATION OF	RESPONSE	TO ELECTRICAL STIMULATION OF PREOPTIC AREA OR MEDIAN EMIN	0635
DIFFERENTIAL	RESPONSE	TO ELECTRICAL STIMULATION: A DISTINCTION BETWEEN INDUCED	2773
PROLACTIN	RESPONSE	TO ELECTROCONVULSIVE THERAPY	1879
E ENVIRONMENTAL PROTECTION AGENCY,S	RESPONSE	TO ENVIRONMENTAL RADIATION CONTROL ISSUES	3001
MAN'S PHYSIOLOGIC	RESPONSE	TO LONG-TERM WORK DURING THERMAL AND POLLUTANT STRESS	2916
HUMAN AUDITORY SYSTEM	RESPONSE	TO LOWER POWER DENSITY, PULSE MODULATED, EM ENERGY: A SEA	1135
STOMATAL	RESPONSE	TO MICROWAVE INDUCED THERMAL STRESSES	0847
CUMULATIVE EFFECTS IN	RESPONSE	TO MICROWAVE IRRADIATION	0059
ARE POTENT MEDIATORS OF THE THERMAL	RESPONSE	TO MICROWAVE IRRADIATION	1251
THE DEPENDENCE OF THE TEMPERATURE	RESPONSE	TO MICROWAVE IRRADIATION ON THE INITIAL FUNCTIONAL STATE	1459
CUMULATIVE EFFECTS IN	RESPONSE	TO MICROWAVE IRRADIATION	2918
FETAL RAT DEVELOPMENT IN	RESPONSE	TO MICROWAVE RADIATION	2899
THE NEURAL AND HORMONAL	RESPONSE	TO MICROWAVE STIMULATION OF PERIPHERAL NERVES	1540
MY AND DEXAMETHASONE ON RAT ADRENAL	RESPONSE	TO MICROWAVES	0430
AN APPROACH TO BIOLOGICAL	RESPONSE	TO MICROWAVES: A PRELIMINARY THERMAL VERSUS NON-THERMAL E	0694
HUMAN AUDITORY SYSTEM	RESPONSE	TO MODULATED EM ENERGY	1031
INDIVIDUAL RADIOSENSITIVITY BY THE	RESPONSE	TO NON-RADIATION EFFECTS	0007
VES ON RESEARCH INTO THE BIOLOGICAL	RESPONSE	TO NONIONIZING EMR	0092
HANGES IN SOME METABOLIC INDICES IN	RESPONSE	TO NONTHERMAL INTENSITY RADIOWAVES	2805
AUDITORY SYSTEM	RESPONSE	TO RADIO FREQUENCY ENERGY	1035
RADIO NOISE METER	RESPONSE	TO RANDOM PULSES BY COMPUTER SIMULATION	3116
ORATIVE PROCESSES IN BONE MARROW IN	RESPONSE	TO SUPER-HIGH FREQUENCY RADIATION	1484
HUMAN	RESPONSE	TO VERY-LOW-FREQUENCY EM ENERGY	1033
MICROWAVE-INDUCED AUDITORY	RESPONSE-	-COCHLEAR MICROPHONICS	2153
ALTERED RENOPRESSOR	RESPONSE-	PATTERN TO ENDOTOXIN RADIATED WITH RADIO-FREQUENCY ENERGY	3475
EFFECTS OF EMR ON PHYSIOLOGIC	RESPONSES		0533
TO MAGNETIC FIELDS IN ORIENTATIONAL	RESPONSES		2417
VESTIBULO-COCHLEAR SINGLE UNIT	RESPONSES		2680
BRAIN STEM EVOKED	RESPONSES	ASSOCIATED WITH LOW-INTENSITY PULSED UHF ENERGY	1036
NEUROENDOCRINE	RESPONSES	IN THE RAT AND DOG EXPOSED TO 2450 MHZ (CW) MICROWAVES	2676
	RESPONSES	OF BIOSYSTEMS TO CHRONIC MICROWAVE EXPOSURE	2422
THE TEMPERATURE-DEPENDENCE OF	RESPONSES	OF ESOPHAGEAL SMOOTH MUSCLE TO ELECTRICAL FIELD STIMULAT	2548
F FIELD DELIVERY METHODS TO THERMAL	RESPONSES	OF MODELS AND EXPERIMENTAL ANIMALS	1687
ELECTROPHYSIOLOGICAL ANALYSIS OF	RESPONSES	OF THE CENTRAL NERVOUS SYSTEM TO ELECTROMAGNETIC FIELDS	2480
E OF ADENOSINE, CAMP AND DB-CAMP ON	RESPONSES	OF THE ISOLATED TERMINAL GUINEA-PIG ILEUM TO ELECTRICAL	1875
	RESPONSES	OF THE MOUSE TO MICROWAVE RADIATION DURING ESTROUS CYCLE	0930
EFFECT OF MICROWAVES ON THE	RESPONSES	OF WHITE BLOOD CELL SYSTEM	2318
450-MHZ MICROWAVES ON THE RADIATION	RESPONSES	OF X-IRRADIATED CHINESE HAMSTERS	0521
VE CLINICAL ANALYSIS OF ORAL TISSUE	RESPONSES	TO A TYPE OF EM ENERGY	2339
SUPERIOR COLLICULUS CELL	RESPONSES	TO ELECTRICAL STIMULATION OF THE RETINA	2222
INIMUM THRESHOLDS FOR PHYSIOLOGICAL	RESPONSES	TO FLOW OF ALTERNATING ELECTRIC CURRENT THROUGH THE HUMA	3017
THERMAL	RESPONSES	TO HIGH-FREQUENCY EMR FIELDS	1779
HUMAN	RESPONSES	TO MICROWAVE IRRADIATION-A REVIEW AND EVALUATION OF PUBL	3529
METABOLIC AND THERMOREGULATORY	RESPONSES	TO MICROWAVE RADIATION IN YOUNG MALE RATS	1434
CENTRAL N ERVOUS SYSTEM	RESPONSES	TO MICROWAVE-INDUCED HEATING	2430

SINGLE AUDITORY UNIT	RESPONSES TO WEAK, PULSED MICROWAVE RADIATION	2145
: SURFACE TEMPERATURES AND VASCULAR	RESPONSES	2912
FEDERAL	RESPONSIBILITY IN RADIOLOGICAL HEALTH	1521
CYCLES OF	RESTORATION OF EVOKED POTENTIALS OF RAT BRAIN UNDER THE EFFECT OF	0280
THE EFFECTS OF INJURY AND	RESTORATION OF THE ORGANISM OF RATS UNDER MICROWAVE IRRADIATION (2	0440
CTRIC MATERIALS USED IN LAB. ANIMAL	RESTRAINERS	1242
PERTURBATION EFFECT OF ANIMAL	RESTRAINING MATERIALS ON MICROWAVE EXPOSURE	1610
A PRIMATE	RESTRAINT CHAIR FOR USE IN MICROWAVE RADIATION STUDIES	1218
A	RESTRAINT DEVICE FOR CATS IN AN UHF EM ENERGY FIELD	1045
DESYNCHRONIZATION AND	RESYNCHRONIZATION OF HUMAN CIRCADIAN RHYTHMS	0673
SELECTIVE TUMOR HEATING AND GROWTH	RETARDATION BY SHORTWAVE RADIOFREQUENCY	0364
	RETARDED TUMOR GROWTH AND GREATER LONGEVITY IN MICE AFTER FETAL IR	0026
TONIC	RETICULAR ACTIVATING SYSTEM: RELATIONSHIP TO AVERSIVE BRAIN STIMUL	1955
OWAVES AT THE LEVEL OF THE MIDBRAIN	RETICULAR FORMATION- HYPOTHALAMUS-CEREBLAR CORTEX LEVEL	1444
SOME CHARACTERISTICS OF	RETICULAR INFLUENCES ON THE EVOKED ACTIVIITY OF THE CEREBELLUM UND	0245
WAVES ON THE CELL METABOLISM OF THE	RETICULO-HISTOCYTIC SYSTEM	1280
DEVELOPMENT OF	RETICULOCYTOSIS IN THE PERIPHERAL BLOOD DURING AN EXPOSURE TO A CO	1628
ES TO ELECTRICAL STIMULATION OF THE	RETINA	2222
	RETINA : ULTRASTRUCTURAL ALTERATIONS PRODUCED BY EXTREMELY LOW LEVE	0947
	RETINAL CHANGES IN MICROWAVE WORKERS	0891
LENTICULAR AND	RETINAL CHANGES SECONDARY TO MICROWAVE EXPOSURE	1861
	RETINAL DAMAGE EXPERIMENTALLY INDUCED BY MICROWAVE RADIATION AT 55	0181
	RETINAL SENSITIVITY TO SHORT WAVELENGTH LIGHT	1248
	RETROGRADE AMNESIA: EFFECTS OF HANDLING AND MICROWAVE RADIATION	1201
NTRAL GRAY MATTER IN HUMANS AND ITS	REVERSAL BY NALOXONE	2858
TERATOLOGY, SURVIVAL, AND	REVERSAL LEARNING AFTER FETAL IRRADIATION OF MICE BY 2450-MHZ MICR	1805
TERATOLOGY, SURVIVAL, AND	REVERSAL LEARNING AFTER THE TIME OF DEATH AND TOTAL ABSORBED DOSE	2882
	REVERSAL OF COLD-INDUCED DORMANCY OF UREDOSPORES BY MICROWAVE AND	3473
A CASE OF PROLONGED,	REVERSIBLE DEMENTIA ASSOCIATED WITH ABUSE OF ELECTROCONVULSIVE THE	1311
AL EFFECTS OF TRANSMISSION LINES: A	REVIEW	0083
VE RADIATION AND HUMAN TOLERANCE: A	REVIEW	0598
OF DEEP FROZEN CELLS AND ORGANS: A	REVIEW	0680
RICHMOND, VA., SEPT. 17-19, 1969--A	REVIEW	0722
XTREMELY LOW FREQUENCY EM FIELDS: A	REVIEW	0935
IELDS IN THE ELF REGION, PART II. A	REVIEW	1184
REPEATED EXPOSURES TO MICROWAVES--A	REVIEW	1370
EXPERIMENTAL MICROWAVE CATARACT: A	REVIEW	1529
TE MEDICAL MONITORING TECHNIQUES: A	REVIEW	2726
ION OF EM ENERGY IN BODY TISSUES: A	REVIEW AND CRITICAL ANALYSIS	0596
ESPONSES TO MICROWAVE IRRADIATION-A	REVIEW AND EVALUATION OF PUBLISHED REPORTS	3529
PORT OF THE HEALTH EFFECTS RESEARCH	REVIEW GROUP	0055
	REVIEW OF A PROGRAM TO ASSESS THE EFFECTS ON MAN FROM EXPOSURE TO	0503
A	REVIEW OF DETERMINATIONS OF RADIATION DOSE TO THE ACTIVE BONE MARR	3083
LATION OF BONE GROWTH AND REPAIR: A	REVIEW OF DIFFERENT STIMULATION METHODS	0158
L ASPECTS OF MICROWAVE RADIATION: A	REVIEW OF HAZARDS	0606
A	REVIEW OF IN-LINE RF POWER METERS FOR USE WITH ULTRASONIC INSTRUME	3044
A	REVIEW OF INTERNATIONAL MICROWAVE EXPOSURE GUIDES	0771
A	REVIEW OF MICROWAVE RADIATION HAZARDS AND SAFETY STANDARDS	1262
A	REVIEW OF PHOTODYNAMIC THERAPY FOR HERPES SIMPLEX: BENEFITS AND PO	3130
A	REVIEW OF RADIUM TOXICITY STUDIES	3112
RIPHERAL ELECTROSENSE PHYSIOLOGY: A	REVIEW OF RECENT FINDINGS	0343
HY THE DOUBLE STANDARD? A CRITICAL	REVIEW OF RUSSIAN WORK ON THE HAZARDS OF MICROWAVE RADIATION	2286
A	REVIEW OF SELECTED BIOEFFECTS THRESHOLDS FOR VARIOUS SPECTRAL RANG	0653
A	REVIEW OF SELECTED BIOLOGICAL EFFECTS AND DOSIMETRIC DATA USEFUL F	0439
REQUENCY AND MICROWAVE RADIATION: A	REVIEW OF SELECTED SOVIET, EAST EUROPEAN, AND WESTERN REFERENCES	2148
	REVIEW OF STUDIES OF PEOPLE OCCUPATIONALLY EXPOSED TO RADIO FREQUE	1532
CRITICAL	REVIEW OF THE BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS	1664
	REVIEW OF THE BIOLOGICAL EFFECTS PROGRAM	1572
A	REVIEW OF THE HEALTH HAZARDS FROM OVEREXPOSURE TO MICROWAVE RADIAT	3068
ROWAVE CATARACTOGENESIS: A CRITICAL	REVIEW OF THE LIT	0707
FIELD DEPENDENCY-INDEPENDENCY: A	REVIEW OF THE LIT	1219
TIONS DURING UHF EMR IRRADIATION: A	REVIEW OF THE LIT. (IN RUSSIAN)	0517
	REVIEW OF THE WORK CONDUCTED AT SOUTHWEST RESEARCH INST. ON THE US	1581
	REVIEW OF THE WORK CONDUCTED AT STATE U. OF IOWA	1580
	REVIEW OF THE WORK CONDUCTED AT THE U. OF ROCHESTER--THE BIOLOGICA	1575

	REVIEW OF THE WORK CONDUCTED AT TUFTS U.--EXPERIMENTAL RADIATION C	1574
	REVIEW OF THE WORK CONDUCTED AT TULANE U.--INVESTIGATIONS OF THE B	1577
	REVIEW OF THE WORK CONDUCTED AT U. OF BUFFALO--STUDIES ON THE BIOL	1576
	REVIEW OF THE WORK CONDUCTED AT U. OF CALIF.--EFFECTS OF MICROWAVE	1579
	REVIEW OF THE WORK CONDUCTED AT U. OF MIAMI	1578
	REVIEW OF WORK ACCOMPLISHED AT THE NEW ENGLAND INST. FOR MEDICAL R	1471
	REVIEW OF WORK CONDUCTED AT ST. LOUIS U. SCHOOL OF MED	1473
ZARDS FROM TELEMETRY RF EXPOSURE? A	REVIEW ON THE INTERACTIONS BETWEEN EM FIELDS AND BIOSYSTEMS	2027
EQUENCY MAGNETIC FIELDS (LITERATURE	REVIEW)	0218
FIELDS, BY HENRYK MIKOLAJCZUK (BOOK	REVIEW , IN POLISH)	1623
OTENTIATION BY IMMUNOSTIMULATION- A	REVIEW	0340
TECHNIQUES FOR MEDICAL DIAGNOSIS: A	REVIEW	0391
ADIOFREQUENCY RADIATION IN CRITICAL	REVIEWS IN ENVIRONMENTAL CONTROL	3210
EFFECTS OF ELECTROSLEEP ON INSOMNIA	REVISITED	1307
ME ASPECTS OF NONIONIZING RADIATION	REVISITED	2379
	RF-FIELD INTERACTIONS WITH BIOLOGICAL SYSTEMS: ELECTRICAL PROPERTI	0393
ACCURATE MEANS OF MEASURING	RF-POWER DEVELOPED	3454
MEASUREMENT OF	RF-PROPERTIES OF MATERIALS - A SURVEY	3313
FREQUENCIES BASED ON THE RESULTS OF	RHEOGRAPHIC EXAMINATIONS	1499
AVIOR AND ELECTROENCEPHALOGRAM OF A	RHESUS MONDEY	0999
TION ON BEHAVIOR AND TEMPERATURE IN	RHESUS MONKEYS	2158
N, BEHAVIORAL AND OCULAR EFFECTS ON	RHESUS MONKEYS	2347
A PSYCHOBIOLOGICAL STUDY OF	RHESUS MONKEYS EXPOSED TO EXTREMELY LOW FREQUENCY-LOW INTENSITY MA	1212
ENDOCRINE FUNCTION IN	RHESUS MONKEYS EXPOSED TO PULSED MICROWAVE RADIATION	0254
OPERANT BEHAVIOR OF	RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY LOW INTE	3274
OPERANT BEHAVIOR OF	RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTE	0764
OPERANT BEHAVIOR OF	RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTE	0765
OPERANT BEHAVIOR OF	RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTE	0766
THE NIGHT ON PEOPLE SUFFERING FROM	RHEUMATISM (IN GERMAN)	1181
PERCUTANEOUS RADIOFREQUENCY LUMBAR	RHIZOLYSIS	2853
RMAL ACTION OF MICROWAVES ON CADIAC	RHYTHM	3469
MICROWAVES ON THE TWENTY-FOUR-HOUR	RHYTHM AND TWENTY-FOUR-HOUR URINARY EXCRETION OF SEVENTEEN HYDROXY	1133
POTENTIAL AS THE GENERATOR OF ALPHA	RHYTHM IN THE HUMAN ELECTROENCEPHALOGRAM	0731
CIRCADIAN ACTIVITY	RHYTHM INFLUENCED BY NEAR ZERO MAGNETIC FIELD	0688
OWAVE IRRADIATION AND THE CIRCADIAN	RHYTHM OF BONE MARROW CELL MITOSIS	1814
REE SPACE ON THE CIRCADIAN ACTIVITY	RHYTHM OF THE HOUSE SPARROW, PASSER DOMESTICUS	2163
ESYNCHRONIZATION OF HUMAN CIRCADIAN	RHYTHMS	0673
EM FORCES AND CIRCADIAN	RHYTHMS	1166
FREQUENCY FIELDS ON HUMAN CIRCADIAN	RHYTHMS	2420
ELF-EFFECTS ON HUMAN CIRCADIAN	RHYTHMS	2651
REINFORCEMENT OF TRANSIENT BRAIN	RHYTHMS BY AMPLITUDE- MODULATED VHF FIELDS	1673
ULATED VHF FIELDS ON SPECIFIC BRAIN	RHYTHMS IN CATS	0447
CIRCADIAN	RHYTHMS IN PLANTS, INSECTS AND MAMMALS EXPOSED TO ELF MAGNETIC AND	1781
BIOLOGICAL	RHYTHMS IN PSYCHIATRY AND MEDICINE	2957
CHANGES OF BACKGROUND AND EVOKED	RHYTHMS OF BRAIN POTENTIALS IN RABBITS IN A STRONG STATIC MAGNETIC	2081
HUMAN CIRCADIAN	RHYTHMS UNDER THE INFLUENCE OF WEAK ELECTRIC FIELDS AND THE DIFFER	2123
PSEUDOSUBSTRATE BINDING TO	RIBONUCLEASE DURING EXPOSURE TO MICROWAVE RADIATION AT 1.70 AND 2	3382
CONFORMATION CHANGES IN	RIBOSOMAL RNA INDUCED BY ELECTRIC IMPULSES	1386
ORIENTATION BEHAVIOR OF	RING-BILLED GULL CHICKS (LARUS DELAWARENSIS) EXPOSED TO PROJECT SA	1762
PACEMAKER INTERFERENCE: A LOW	RISK	1237
CITY DATA IN RELATION TO POPULATION	RISK	3085
MICROWAVE OVENS: A POTENTIAL	RISK TO PATIENTS WITH CARDIAC PACEMAKERS	3579
PES SIMPLEX: BENEFITS AND POTENTIAL	RISKS	3130
REACT TO ELECTROMAGNETIC RADIATION	RISKS	3502
HYPERFREQUENCIES, APPLICATIONS AND	RISKS (IN FRENCH)	3435
	RISKS AND DAMAGES DERIVED FROM OCCUPATIONAL EXPOSURE TO EM FIELDS	0615
	RISKS AND DAMAGES RESULTING FROM OCCUPATIONAL EXPOSURE TO HIGH FRE	2395
BIOLOGICAL	RISKS IN THE EM ENVIRONMENT OF AEROSPACE ACTIVITIES (IN FRENCH)	1843
EVALUATION OF GENETIC	RISKS OF ENVIRONMENTAL CHEMICALS	3027
BIOLOGICAL TISSUES TO EVALUATE THE	RISKS OF EXPOSURE (IN ITALIAN)	2635
ELECTRICAL STIMULATION OF	RNA AND PROTEIN SYNTHESIS IN THE FROG ERYTHROCYTE	1808
C INCREMENT OF LOW MOLECULAR WEIGHT	RNA IN DIOXANE AFTER APPLICATION OF STATIC ELECTRIC FIELDS	0641
CONFORMATION CHANGES IN RIBOSOMAL	RNA INDUCED BY ELECTRIC IMPULSES	1386
L TISSUE FROM MOUSE SKIN PRESERVING	RNA , DNA, PROTEIN, AND PHORBOL ESTER-INDUCED ORNITHINE DECARBOXYLA	2825
INSECTS MOVING ACROSS HARD- SURFACE	ROADS	0916

THE INACTIVATION OF	RODENT BRAIN ENZYMES IN VIVO USING HIGH-INTENSITY MICROWAVE IRRADI	0387
ITH RESPECT TO THEIR EFFECTS ON THE	RODENT EMBRYO AND FETUS	2359
PLASMA AND LIVER CELL FRACTIONS OF	RODENTS	1079
ADIOFREQUENCY HEATING OF TUMOURS IN	RODENTS	2460
BIOLOGICAL MEASUREMENTS IN	RODENTS EXPOSED CONTINUOUSLY THROUGHOUT THEIR ADULT LIFE TO PULSED	1167
BIOLOGICAL EFFECTS IN	RODENTS EXPOSED TO 10 TO THE EIGHTH POWER PULSES OF EMR	2469
ERATIONS IN SPECIFIC BRAIN AREAS IN	RODENTS EXPOSED TO HIGH INTENSITY FIELDS	1290
BIOLOGICAL EFFECTS IN	RODENTS EXPOSED TO PULSED EMR	0736
EFFECTS IN	RODENTS OF A 1-MONTH EXPOSURE TO MAGNETIC FIELDS (200-1200 GAUSS)	1109
CONTINUOUS EXPOSURE OF	RODENTS TO 10 TO THE 8TH POWER PULSES OF EMR	0826
CHRONIC EXPOSURE OF A POPULATION OF	RODENTS TO UHF FIELDS	1693
ATION OF GASSERIAN GANGLION AND ITS	ROOTLETS FOR TRIGEMINAL NEURALGIA	1874
MICROWAVE IRRADIATION OF PLANT	ROOTS IN SOIL	1785
NCY ELECTRIC AND MAGNETIC FIELDS ON	ROOTS OF VICIA FABA	0863
NCY ELECTRIC AND MAGNETIC FIELDS ON	ROOTS OF VICIA FABA	1171
IVITY THRESHOLDS OF WHEAT STEMS AND	ROOTS TO MAGNETIC FIELDS	0377
GHZ EM ENERGY FOR THE SOUTHERN CORN	ROOTWORM	1126
GES IN ADULT RATS EXPOSED TO AN ELF	ROTATING MAGNETIC FIELD	0786
PRENATALLY TO AN ELF LOW-INTENSITY	ROTATING MAGNETIC FIELD	0787
E- AND NEO-NATAL EXPOSURE TO AN ELF	ROTATING MAGNETIC FIELD	1004
IBLE CARDIAC DRIVING BY AN EXTERNAL	ROTATING MAGNETIC FIELD	1013
TREMELY LOW FREQUENCY-LOW INTENSITY	ROTATING MAGNETIC FIELD AND INCREASES IN THYROID AND TESTICLE WEIG	0667
INFLUENCE OF	ROTATING MAGNETIC FIELD OF 200 GAUSS ON SPLENECTOMIZED MICE (IN CZ	2709
HEAT TRANSFER AND FLOW PHENOMENA OF	ROTATING SPHERES	3304
NUTRITION AND IN VIVO	ROTATIONAL MOTION: A MICROWAVE STUDY	3265
EQUENCY HYPERTHERMIA ON THE EHRLICH'	S-ASCITES CARCINOMA IN THE MOUSE (IN GERMAN)	1187
VES UPON STREPTOCOCCUS FAECALIS AND	SACCHAROMYCES CEREVISIAE	1920
N ASCOPORES AND VEGETATIVE CELLS OF	SACCHAROMYCES CEREVISIAE EXPOSED TO MICROWAVES AT 2450 MHZ	2355
VO FOLLOWING ALTERNATIVE METHODS OF	SACRIFICE BY MICROWAVE IRRADIATION	1620
RAIN FREE FATTY ACID LEVELS IN RATS	SACRIFICED BY DECAPITATION VERSUS FOCUSED MICROWAVE IRRADIATION	0928
ELECTROCHEMICAL CONSIDERATIONS FOR	SAFE ELECTRICAL STIMULATION OF THE NERVOUS SYSTEM WITH PLATINUM EL	1907
'S STANDARD FOR MICROWAVE RADIATION	SAFE FOR HUMANS?	0560
BIBLIOGRAPHY ON	SAFE HUMAN THRESHOLDS TO EXTRA-LOW-FREQUENCY ELECTRIC CURRENT	0510
BROADCAST RADIATION: HOW	SAFE IS SAFE?	0582
WORKSHOP ON SOURCES AND	SAFE LEVELS OF ELECTRIC AND MAGNETIC FIELDS	1681
MILITARY ROLE IN	SAFE USE OF MICROWAVES	2224
TESTS PROVE SHIELDING KEEPS LINEMEN	SAFE WORKING EHV	3101
HE HUMAN CENTRAL NERVOUS SYSTEM TO '	SAFE ' LEVELS OF MICROWAVE RADIATION	1929
BROADCAST RADIATION: HOW SAFE IS	SAFE ?	0582
NSMISSION LINES, PRATICAL PROBLEMS,	SAFEGUARDS , AND METHODS OF CALCULATION	3104
THE PRACTICE OF MICROWAVE RADIATION	SAFETY	1152
MEASUREMENTS FOR RADIATION	SAFETY	1659
ELECTROMAGNETIC RADIATION	SAFETY	2246
SYNOPSIS OF ELECTRICAL PATIENT	SAFETY	2278
FUNDAMENTALS OF ELECTRICAL	SAFETY	2404
WELFARE WITH AN ADEQUATE MARGIN OF	SAFETY	3079
HE RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968	0472
RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968	0619
HE RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968	3137
HE RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968 COVERING 1970	2935
HE RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968 COVERING 1972	3072
HE RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968 COVERING 1973	3108
OF RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968 PUBLIC LAW 90-602	1295
HE RADIATION CONTROL FOR HEALTH AND	SAFETY ACT OF 1968, PUBLIC LAW 90-602	2544
HE RADIATION CONTROL FOR HEALTH AND	SAFETY ACY OF 1968, COVERING 1969	2991
MICROWAVE THERAPY: STRAY RADIATION,	SAFETY AND EFFECTIVE- NESS	0427
	SAFETY AND ELECTROMAGNETIC FIELDS	2984
OCCUPATIONAL	SAFETY AND HEALTH STANDARDS; NATIONAL CONCENSUS STANDARDS AND ESTA	2966
	SAFETY AND HYGIENE (RADIOFREQUENCY-MICROWAVE)	2999
AN EMR	SAFETY CONTROLLER	0130
THE MICROWAVE OVEN	SAFETY DEBATE	2471
	SAFETY FROM MICROWAVE HAZARDS IN USING MICROWAVE POWER EQUIPMENT--	1653
	SAFETY GUIDE FOR THE PREVENTION OF RADIO FREQUENCY RADIATION HAZAR	3131
VHF-UHF RADIATION HAZARDS AND	SAFETY GUIDELINES	2942
RADIATION	SAFETY HANDBOOK FOR IONIZING AND NONIONIZING RADIATION	0511

A NOTE ON EMP	SAFETY HAZARDS	1333
ELECTRICAL	SAFETY IN HEALTH-CARE FACILITIES	2357
ELECTROMAGNETIC RADIATION	SAFETY IN POLAND	2998
	SAFETY LEVEL OF EMR WITH RESPECT TO PERSONNEL	1707
HEALTH AND	SAFETY OF HIGH VOLTAGE TRANSMISSION LINES	0111
	SAFETY OF MICROWAVE DEVICES	0583
	SAFETY OF MICROWAVE DEVICES	0585
RECOMMENDED RADIATION	SAFETY PRECAUTIONS FOR AIRBORNE WEATHER RADAR	3071
RECOMMENDED INSTALLATION AND	SAFETY PROCEDURES FOR ALL CLOSED CAVITY MICROWAVE DEVICES	2522
RECOMMENDED INSTALLATION AND	SAFETY PROCEDURES FOR ALL OPEN BEAM MICROWAVE DEVICES	2521
RECOMMEND	SAFETY PROCEDURES FOR THE INSTALLATION AND USE OF RADIOFREQUENCY A	0284
RADIATION	SAFETY PROCEDURES FOR THE OFFICE OF RESEARCH AND MONITORING TWINEB	2971
AN OPERATIONAL	SAFETY PROGRAM FOR OPHTHALMIC HAZARDS OF MICROWAVE	0522
ESTABLISHING A RADIO FREQUENCY EMR	SAFETY STANDARD	0633
ESTABLISHING A RADIO FREQUENCY EMR	SAFETY STANDARD'	1800
FREQUENCY ELECTROMAGNETIC RADIATION	SAFETY STANDARD	2915
DIANT ENERGY--POTENTIAL HAZARDS AND	SAFETY STANDARDS	0534
OF MICROWAVE RADIATION HAZARDS AND	SAFETY STANDARDS	1262
RCH NEEDED FOR SETTING OF REALISTIC	SAFETY STANDARDS	2981
	SAFETY STANDARDS AND REGULATIONS FOR HANDLING SOURCES OF HIGH, ULT	3109
CURRENT RADIO-FREQUENCY EMR	SAFETY STANDARDS AS APPLIED TO MOBILE AND PORTABLE TELECOMMUNICATI	2474
PERFORMANCE AND	SAFETY STANDARDS FOR ELECTROSURGICAL DEVICES	1954
L FOR DEVELOPMENT OF RADIOFREQUENCY	SAFETY STANDARDS FOR HUMAN EXPOSURE	0439
MICROWAVE RADIATION	SAFETY STANDARDS IN EASTERN EUR	0700
MICROWAVE EXPOSURE	SAFETY STANDARDS--PHYSIOLOGIC AND PHILOSOPHIC ASPECTS	2992
DIANT ENERGY--POTENTIAL HAZARDS AND	SAFETY STANDARDS	3217
MICROWAVES AND HUMAN	SAFETY , PART I	1640
MICROWAVES AND HUMAN	SAFETY , PART II	1641
OLOGICAL EFFECTS- HEALTH ASPECTS OF	SAFETY . (IN ITAL.)	0177
MICROWAVE BIOEFFECTS AND RADIATION	SAFETY ., M.A. STUCHLY, EDITOR	2920
AIR	SAFETY : ROLE OF FAMILY PHYSICIAN	0346
LECTRIC RELAXATIONS OF EMULSIONS OF	SALINE AQUEOUS SOLUTIONS	0041
CTIVITY OF GUANYLATE CYCLASE IN RAT	SALIVARY GLANDS AND THEIR RELATIONSHIP TO THE INDUCTION OF GROWTH	1699
IVITY IN AMERICAN EELS AND ATLANTIC	SALMON OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS	1783
DESTRUCTION OF	SALMONELLAE ON POULTRY MEAT WITH LYSOZYME, EDTA, X-RAY, MICROWAVE	1324
THE SENSITIVITY TO THE TRIIODOETHYL	SALT OF GALLIUM AND TO THE HEXAMETHYL IDONIUM SALT ON THE WHITE RA	0861
LLIUM AND TO THE HEXAMETHYL IDONIUM	SALT ON THE WHITE RAT (IN FRENCH)	0861
H OF PERSONNEL WORKING NEAR PROJECT	SANGUINE BETA TEST FACILITY FROM 1971 TO 1972	1668
PROJECT	SANGUINE BIOLOGICAL EFFECTS TEST PROGRAM PILOT STUDIES	1760
PROJECT	SANGUINE BIOLOGICAL EFFECTS TEST PROGRAM PILOT STUDIES	3279
THE	SANGUINE BIOLOGICAL-ECOLOGICAL RESEARCH PROGRAM	0129
AL POPULATIONS NATURALLY EXPOSED TO	SANGUINE EM FIELDS	1390
D A VERTEBRATE NATURALLY EXPOSED TO	SANGUINE EM FIELDS	1706
AL POPULATIONS NATURALLY EXPOSED TO	SANGUINE EM FIELDS	1763
	SANGUINE EXTREME LOW FREQUENCY EM FIELDS: EFFECT OF LONG- TERM EXP	2160
	SANGUINE SYSTEM BIOLOGICAL/ECOLOGICAL RESEARCH PROGRAM	3075
FACT SHEET FOR THE	SANGUINE SYSTEM FINAL ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH,	2283
SUPPLEMENT TO THE	SANGUINE SYSTEM FINAL ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH,	3612
H OF PERSONNEL WORKING NEAR PROJECT	SANGUINE TEST FACILITY FROM 1971 TO 1972	3273
DS. ONGOING STUDIES AT THE PROJECT	SANGUINE WISCONSIN TEST FACILITY, 1973	1689
US DELAWARENSIS) EXPOSED TO PROJECT	SANGUINE 'S ELECTRIC AND MAGNETIC FIELDS	1762
N OF GULL CHICKS EXPOSED TO PROJECT	SANGUINE 'S EM FIELD	0912
PROJECT	SANGUINE 'S ENVIRONMENTAL COMPATIBILITY ASSURANCE PROGRAM	2275
IA) EXPOSED TO EM FIELDS AT PROJECT	SANGUINE 'S WISCONSIN TEST FACILITY	1755
EXPOSED TO THE EM FIELDS AT PROJECT	SANGUINE 'S WISCONSIN TEST FACILITY	1767
LATIONS AFTER LONG-TERM EXPOSURE TO	SANGUINE /SEAFARER ELF EM FIELDS IN NATURE	1647
	SANGUINE /SEAFARER EXTREMELY LOW FREQUENCY EM FIELDS: EFFECT OF LON	1769
PROJECT	SANGUINE : MONITORING POPULATIONS OF SOIL ANIMALS AT THE WISCONSIN	2276
PROJECT	SANGUINE : OVERVIEW AND STATUS OF THE NAVY'S ELF COMMUNICATIONS SYS	1667
	SANITARY HYGIENIC INVESTIGATION OF WORKING CONDITIONS DURING HIGH	1516
AN EMPIRICAL FORMULA FOR BROAD-BAND	SAR CALCULATIONS OF PROLATE SPHEROIDAL MODELS OF HUMANS AND ANIMAL	0301
APPROXIMATE CALCULATION OF	SAR FOR PLANEWAVE IRRADIATION OF MAN MODEL NEAR A GROUND PLANE	0242
CY-DEPENDENT CHANGES IN THE CARDIAC	SARCOLEMMAL ATPASE	1841
HF HYPERTHERMIA IN THE TREATMENT OF	SARCOMA 180 (IN RUSSIAN)	0252
MORTALITY PATTERNS OF MOUSE	SARCOMA 180 CELLS RESULTING FROM DIRECT HEALTH AND CHRONIC MICROWA	3468

S (POLY I-POLY C) ON DEVELOPMENT OF	SARCOMA 180 IN MICE	1160
F MICROWAVES ON THE ROUS NO. 1 FOWL	SARCOMA VIRUS	2503
AN EVALUATION OF SELECTED	SATELLITE COMMUNICATION SYSTEMS AS SOURCES OF ENVIRONMENTAL MICROW	1284
AN EVALUATION OF SELECTED	SATELLITE COMMUNICATION SYSTEMS AS SOURCES OF ENVIRONMENTAL MICROW	3237
MONITORING AND MEASUREMENTS FOR UHF	SATELLITE EARTH TERMINALS	3510
NSITY OF THE POWER FROM A BROADCAST	SATELLITE IN THE 620-790 MHZ FREQUENCY BAND	2323
PERSPECTIVES ON	SATELLITE SOLAR POWER	2060
THE POTENTIAL OF	SATELLITE SOLAR POWER	2695
	SATELLITE SOLAR POWER STATION: AN OPTION FOR POWER GENERATION	2951
OLOGICAL EFFECTS OF THE SOLAR POWER	SATELLITE TRANSMISSION SYSTEM	0113
SOLAR POWER FROM	SATELLITES	0575
SOLAR POWER	SATELLITES : MICROWAVES DELIVER THE POWER	0134
FORM POLYMER DISTRIBUTION IN PAPERS	SATURATED WITH POLYMER SOLUTIONS VIA MICROWAVE POWER	0723
MICROWAVE	SATURATION EFFECTS ON PARAMAGNETIC CENTERS OF PROTEINS IRRADIATED	1476
LDS IN BIOLOGICAL MEDIA: PT II, THE	SCAT PROGRAM, MULTILAYERED SPHERES, THEORY AND APPLICATIONS	0263
-WALLED SPHERES ON THE BASIS OF EMR	SCATTER DATA	1475
CONSTANT OF A SPHERE DETERMINED BY	SCATTERED FIELD MEASUREMENTS	3563
MAPPING OF FREE SPACE AND	SCATTERED FIELDS IN MICROWAVE DIATHERMY	2212
	SCATTERED MICROWAVE FIELDS NEAR A FINITE, PLANAR, DIELECTRIC SLAB	2720
FFECT CORRECTIONS IN IMMITTANCE AND	SCATTERING COEFFICIENT STANDARDS EMPLOYING PRECISON AIR-DIELECTRIC	3343
THREE DIMENSIONAL ELECTROMAGNETIC	SCATTERING FROM A CIRCULAR TUBE OF FINITE LENGTH	3303
ELECTROMAGNETIC	SCATTERING FROM SPHERES WITH SIZES COMPARABLE TO THE WAVELENGTH	3442
	SCATTERING OF MICROWAVES BY DIELECTRIC MATERIALS USED IN LAB. ANIM	1242
MICROWAVE	SCATTERING PARAMETER IMAGERY OF AN ISOLATED CANINE KIDNEY	0307
ERROGATION OF DIELECTRIC TARGETS BY	SCATTERING PARAMETERS	3413
OF MICROWAVE RADIATION ON THE FROG	SCIATIC NERVE	3192
IOGRAM OF SQUIRREL MONKEYS (SAIMIRI	SCIUREUS)	2496
RATURE OF SQUIRREL MONKEYS (SAIMIRI	SCIUREUS) DURING MICROWAVE IRRADIATION	2539
TION OF THE SPINAL CORD IN MULTIPLE	SCLEROSIS	0069
	SCREENING FOR CATARACTS AMONG VETERAN RADAR REPAIR AND MAINTENANCE	1066
THE EFFECT OF A	SCREENING OF THE ELECTRIC FIELD DURING THE NIGHT ON PEOPLE SUFFERI	1181
	SCREENING PROCEDURE RELIEVES CHRONIC PAIN	0976
ELECTROSHOCK: NEW	SCRUTINY	1881
CANCER 'TREATMENT' IS ALL AT	SEA	1968
OCCURRENCE OF NEUROTIC DISORDERS IN	SEA ECONOMY WORKERS EXPOSED TO THE ACTION OF EM WAVES	1164
DS ASSOCIATED WITH PROPOSED PROJECT	SEAFARER	2457
RADIATIONS ASSOCIATED WITH THE NAVY	SEAFARER COMMUNICATION SYSTEM	1885
FTER LONG-TERM EXPOSURE TO SANGUINE/	SEAFARER ELF EM FIELDS IN NATURE	1647
SANGUINE/	SEAFARER EXTREMELY LOW FREQUENCY EM FIELDS: EFFECT OF LONG-TERM EX	1769
MIGRATING BIRDS RESPOND TO PROJECT	SEAFARER 'S EM FIELD	1016
	SEAFARER : IMPACTS AND STUDIES OF THE EXTREMELY LOW FRE- QUENCY COM	0331
RADIO-FREQUENCY (6-38 MHZ) PLASTIC	SEALERS	0402
E SENSITIVITY OF THE MUSCLE SPINDLE	SECONDARY ENDING TO SMALL AMPLITUDE SINUSOIDAL STRETCH	2641
ELECTROSTATIC FIELDS AND	SECONDARY GLAUCOMA IN RATS	1112
ON COEFFICIENTS AND THE PRIMARY AND	SECONDARY PYROELECTRIC COEFFICIENTS OF ANIMAL BONE	2090
LENTICULAR AND RETINAL CHANGES	SECONDARY TO MICROWAVE EXPOSURE	1861
HIGH-TENSION ELECTRIC FIELD ON THE	SECRETION OF ANTIDIURETIC HORMONE IN RATS	1182
NUOUS IRRADIATION ON CHANGES IN THE	SECRETORY FUNCTION OF THE HYPOTHALAMUS AND CERTAIN ENDOCRINE GLAND	1450
EQUENCY ENERGY INFRARED RAYS ON THE	SECRETORY FUNCTION OF THE STOMACH (IN RUSSIAN)	2701
ISSIONS FROM SENSORMATIC ELECTRONIC	SECURITY SYSTEMS	0407
PHENOMENON OF MIGRATION AND	SEDIMENTATION OF ERYTHROCYTES INDUCED BY MAGNETIC FIELDS	0089
RE TO A MAGNETIC FIELD ON THE BLOOD	SEDIMENTATION RATE IN HEALTH AND DISEASE	2014
NCY RF ENERGY FOR IMPROVING ALFALFA	SEED GERMINATION	0848
DOUGLAS-FIR TREE	SEED GERMINATION ENHANCEMENT USING MICROWAVE ENERGY	1977
ON 'INDUCTION THERMOCOAGULATION--A	SEED POWER STUDY'	1712
MODIFICATION OF BARLEY	SEED RADIOSENSITIVITY WITH MICROWAVE RADIATION--I. EFFECT OF MOIS	1961
RADIO-FREQUENCY ELECTRIC FIELDS ON	SEED-BORNE MICROORGANISMS	1921
GERMINATION AND GROWTH RATE IN CORN	SEEDS	2692
IGATION OF MICROWAVE IRRADIATION OF	SEEDS IN SOIL	1125
ARDIOGRAPHY OF DIRECT CURRENTS: S-T	SEGMENT AND BASELINE SHIFTS DURING EXPERIMENTAL MYOCARDIAL INFARCT	2104
VASCULAR CHANGES IN ANTERIOR	SEGMENT OF THE EYE IN WORKERS SUBJECTED TO THE ACTION OF LOCAL VIB	2073
UNION OF OPEN TIBIAL FRACTURE WITH	SEGMENTAL LOSS	2781
RS PERISTALTIC ACTIVITY OF ISOLATED	SEGMENTS OF RAT GUT	2748
AL EFFECTS OF TAURINE ON NORMAL AND	SEIZURE PRONE CORTEX	1517
STIMULATION-11: STIMULUS WAVE-FORM	SELECTION	0067

	SELECTION OF CONDUCTORS AND THEIR CONFIGURATION FOR OVERHEAD LINES	3593
STRENGTH OF LARGE AIR GAPS AND THE	SELECTION OF LINE INSULATING CLEARANCES: THE SELECTION OF LINE IN	3591
OF LINE INSULATING CLEARANCES: THE	SELECTION OF LINE INSULATION IN NORMAL AND POLLUTED CONDITIONS	3591
	SELECTIVE ACTION OF DECIMETER WAVES ON CENTRAL BRAIN STRUCTURES	0072
	SELECTIVE ACTION OF DECIMETER WAVES ON CENTRAL STRUCTURES OF THE B	2793
MICROWAVE	SELECTIVE BRAIN HEATING	0806
	SELECTIVE EFFECT OF EM ENERGY ON VIRUSES	2504
HANCEMENT OF CANCER CHEMOTHERAPY BY	SELECTIVE ELECTROMAGNETIC HEATING OF TUMORS	3393
	SELECTIVE EM HEATING OF TUMORS IN ANIMALS IN DEEP HYPOTHERMIA	1957
	SELECTIVE HEATING OF CUTANEOUS HUMAN TUMORS AT 27.12 MHZ	0048
A MODULATED EM FIELD AS A FACTOR OF	SELECTIVE INFLUENCE UPON THE MECHANISMS OF GOAL-ORIENTED BEHAVIOR	2082
ON A NEW PHYSICAL PRINCIPLE FOR	SELECTIVE LOCAL HYPERTHERMIA OF TUMOR TISSUES	0345
	SELECTIVE LONG RANGE DISPERSION FORCES BETWEEN LARGE SYSTEMS	3254
	SELECTIVE OCCLUSION OF TUMOR TISSUE CAPILLARIES BY HYPERTHERMIA SH	0096
MATERIALS FOR	SELECTIVE TISSUE HEATING IN A RADIOFREQUENCY EM FIELD FOR THE COMB	1240
	SELECTIVE TUMOR HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOF	0364
XOGENOUS PEROXIDASE ACTIVITY IN THE	SELECTIVELY HYPERTHERMIC RAT BRAIN	2532
FOR WEED CONTROL: PHYTOTOXICITY AND	SELECTIVITY	2134
CATCH	SELECTIVITY BY ELECTRICAL FISHING SYSTEMS	0934
EFFECT OF A MODULATED EM FIELD ON	SELF-STIMULATION RESPONSE IN RATS	2546
TRANSMISSION LINE ASSEMBLIES USING	SEMI-CONDUCTING GLAZED INSULATORS	3105
OMETRIC METHOD FOR THE STUDY OF THE	SEMICONDUCTOR PROPERTIES OF LIVING TISSUE	2337
PLASMA EFFECTS IN	SEMICONDUCTORS AND BIOLOGICAL EFFECT OF RADIOWAVES	0478
UTILIZING NONLINEAR PROPERTIES OF	SEMICONDUCTORS WHICH SHOW UP IN STRONG ELECTRIC FIELDS FOR DETECTI	2343
NCES IN THE USE OF MICROWAVE POWER,	SEMINAR PAPER NO. 008	3045
MICROWAVES AND INFRARED RADIATION.	SEMINAR PAPER NO. 009	3046
ON MICROWAVE-INDUCED HEARING	SENSATION	2402
	SENSATION AND PERCEPTION OF MICROWAVE ENERGY	1376
PAIN	SENSATIONS ASSOCIATED WITH ELECTROCUTANEOUS STIMULATION	1245
HEARING	SENSATIONS IN ELECTRIC FIELDS	0572
AUDITORY AND VISUAL	SENSATIONS STIMULATED BY LOW-FREQUENCY ELECTRIC CURRENTS	2760
N. TREAD MILL ACTIVITY, REACTION OF	SENSES , AND LEARNING (IN SWEDISH)	0070
ELECTROMAGNETIC	SENSING IN FISH	2416
REMOTE	SENSING OF SOUTHEASTERN WASHINGTON - PART 1 INFRARED SCANNING IMAG	3567
WAVES ON THE NERVOUS SYSTEM OF RATS	SENSITIVE TO SONIC STIMULI	1351
IGHT OF MICE TO MICROWAVE RADIATION	SENSITIVITY	1120
HIGH	SENSITIVITY EM LEAKAGE MONITORS	1147
TEST OF MAGNETIC	SENSITIVITY IN THREE DIFFERENT BIOLOGICAL SYSTEMS	0159
THE	SENSITIVITY OF BLACK BULLHEAD, ICTALURUS MELAS RAFINESQUE, TO LOW	1205
	SENSITIVITY OF CALCIUM BINDING IN CEREBRAL TISSUE TO WEAK ENVIRONM	0819
INCREASE IN X-RAY	SENSITIVITY OF CANCER AFTER EXPOSURE TO 434 MHZ EMR	2452
THE	SENSITIVITY OF PORTIONS OF THE HUMAN CENTRAL NERVOUS SYSTEM TO 'SA	1929
	SENSITIVITY OF SOME PLANT MATERIAL TO MAGNETIC FIELDS	1900
	SENSITIVITY OF THE HOMING PIGEON TO AN EARTH-STRENGTH MAGNETIC FIE	2371
CTS OF FUSIMOTOR STIMULATION ON THE	SENSITIVITY OF THE MUSCLE SPINDLE SECONDARY ENDING TO SMALL AMPLIT	2641
DETERMINATION OF THRESHOLD OF	SENSITIVITY OF THE RABBIT BRAIN TO PULSED SUPERHIGH-FREQUENCY EM F	1940
	SENSITIVITY THRESHOLDS OF WHEAT STEMS AND ROOTS TO MAGNETIC FIELDS	0377
BIOLOGICAL	SENSITIVITY TO MAGNETIC FIELDS IN ORIENTATIONAL RESPONSES	2417
BEHAVIORAL	SENSITIVITY TO MICROWAVE IRRADIATION	0514
LUENCE OF HIGH FREQUENCY EMR ON THE	SENSITIVITY TO PENTETRAZOL OF THE WHITE MOUSE (IN FRENCH)	0862
BIOLOGICAL	SENSITIVITY TO RADIO-FREQUENCY AND MICROWAVE ENERGY	2953
RETINAL	SENSITIVITY TO SHORT WAVELENGTH LIGHT	1248
INFLUENCE OF EMR OF VHF ON THE	SENSITIVITY TO THE TRIIODOETHYL SALT OF GALLIUM AND TO THE HEXAMET	0861
BIOLOGICAL	SENSITIVITY TO WEAK MAGNETIC FIELDS DUE TO BIOLOGICAL SUPERCONDUCT	2105
RADIATION	SENSITIZATION OF TUMOR CELLS BY MICROWAVES--END OF OXYGEN PROBLEMS	2623
INGLET OXYGEN: I. COMPARISON OF DYE	SENSITIZED PHOTOOXIDATION AND MICROWAVE GENERATED SINGLET OXIDATIO	2046
AN IC PIEZORESISTIVE PRESSURE	SENSOR FOR BIOMEDICAL INSTRUMENTATION	0751
A NONPERTURBING TEMPERATURE	SENSOR FOR MEASUREMENTS IN EM FIELDS	1819
THE	SENSORIUM AND THE MODULATION OF CEREBRAL STATES: TONIC ENVIRONMENT	2607
LUATION OF MICROWAVE EMISSIONS FROM	SENSORMATIC ELECTRONIC SECURITY SYSTEMS	0407
OPTICAL FILM	SENSORS FOR RF HOLOGRAPHY	3359
BIRD FEATHERS AS	SENSORY DETECTORS OF MICROWAVE FIELDS	1543
RADIATION HAZARDS (AGARD LECTURE	SERIES NO. 78)	3149
IOCOR) DESIGNED FOR IMPLANTATION IN	SERIES WITH ANY KIND OF PACEMAKER (IN ITALIAN)	2078
EFFECT OF ELECTRIC SHOCK ON	SEROTONIN (5 HT) CONTENT IN DIFFERENT ORGANS OF RAT	2227

LCHOLINE, EPINEPHRINE, HISTAMINE OR	SEROTONIN AND EXPOSED TO ACUTE MICROWAVE IRRADIATION (IN POLISH)	0355
IRRADIATION ON THE TURNOVER RATE OF	SERTONIN AND NOREPINEPHRINE AND THE EFFECT ON MONOAMINE METABOLIZI	0570
IRRADIATION OF BOUVINE	SERUM ALBUMIN USING A CROSSED BEAM EXPOSURE/DETECTION SYSTEM	3555
USSION PAPER: IRRADIATION OF BOVINE	SERUM ALBUMIN WITH A CROSSED-BEAM EXPOSURE-DETECTION SYSTEM	1083
DIELECTRIC DISPERSION IN BOVINE	SERUM ALBUMIN	3205
EFFECT OF MICROWAVES ON BLOOD	SERUM BUTYRYL CHOLINESTERASE ACTIVITY IN VIVO	1510
ULTRAHIGH FREQUENCY EM FIELD ON THE	SERUM CHOLESTEROL CONTENT OF RABBITS	0693
5 GHZ MICROWAVE RADIATION ON RABBIT	SERUM COMPONENTS AND SLEEPING TIMES	0634
AN EXAMINATION OF CERTAIN BLOOD	SERUM CONSTITUENTS IN THE RAT FOLLOWING MICROWAVE IRRADIATION	1984
F 2.8 GHZ MICROWAVES ON THREE HUMAN	SERUM ENZYMES	1815
TY MICROWAVE RADIATION ON MAMMALIAN	SERUM PROTEINS	0922
ATIC FIELD INDUCED CHANGES IN MOUSE	SERUM PROTEINS	2050
VARIATION OF	SERUM TRYGLYCERIDES RATE UNDER THE ACTION OF EM WAVES: POWER LEVEL	1129
ITARY STALK BLOOD FROM FEMALE RATS:	SEX STEROID MODULATION OF RESPONSE TO ELECTRICAL STIMULATION OF PR	0635
THE RELATION OF	SEX , AGE, AND WEIGHT OF MICE TO MICROWAVE RADIATION SENSITIVITY	1120
FLUENCE PRODUCTION OF X-RAY INDUCED	SEX-LINKED RECESSIVE LETHALS	1966
INFRARED SPECTRA OF ERYTHROCYTE	SHADOWS IN THE REGION OF AMIDE I AND AMIDE II BANDS UNDER MICROWAV	1794
ECTRIC FIELD INDUCED CHANGES IN THE	SHAPE AND MOTILITY OF AMOEBAS	0813
CYCLE(CW) IRRADIATION AS RELATED TO	SHAPE , LOCATION AND ORIENTATION IN THE FIELD	3316
M FIELDS INDUCED INSIDE ARBITRARILY	SHAPED BIOLOGICAL BODIES	0804
CTION OF EM FIELDS WITH ARBITRARILY	SHAPED BIOLOGICAL BODIES	2070
VES THROUGH TWO PARALLEL DIELECTRIC	SHEETS	3550
MAGNETIC PLANE WAVE AND A SPHERICAL	SHELL	2959
GNETIC PLANE AND A DOUBLE SPHERICAL	SHELL	3088
C PLANE WAVE AND A DOUBLE SPHERICAL	SHELL	3551
LECTROMAGNETIC WAVES BY A SPHERICAL	SHELL	3357
THE EFFECTS OF COMBINED	SHF AND GAMMA IRRADIATION ON HEMOPOIESIS	1497
NE STANDARDS FOR THE COMBINATION OF	SHF AND X-RAYS	1451
EFFECT OF	SHF EM ENERGY AND OF CONSTANT MAGNETIC FIELD ON MUTAGENESIS IN THE	2001
THE EFFECTS OF COMBINED EXPOSURE TO	SHF EM FIELDS AND SOFT X-RAYS ON THE PERIPHERAL BLOOD	1452
BLOOD SYSTEM UNDER THE INFLUENCE OF	SHF FIELDS OF VARIOUS INTENSITIES AND IN RADIOWAVE SICKNESS	1442
EFFECTS OF	SHF FIELDS ON ENZYMATIC ACTIVITIES AND PYRIDOXINE LEVELS IN THE OR	1513
EFFECTS OF	SHF FIELDS ON MUSCLE OXYGEN TENSION AND TEMPERATURE IN RATS ADAPTE	0378
TERATOGENIC POWER OF	SHF FIELDS. FURTHER EXPERIMENTS ON TENEBRIO MOLITOR COLEOPTERON	2408
RENT PARTS OF THE BRAIN TO REPEATED	SHF IRRADIATION (IN RUS)	0350
CELL INACTIVATION AFTER EXPOSURE TO	SHF IRRADIATION. (IN RUSSIAN)	0338
ED ANIMALS ON LONG-TERM EXPOSURE TO	SHF RADIO WAVES	0994
E EFFECTS ON THE BODY OF EMR OF THE	SHF RANGE	2487
S OF SUPERHIGH FREQUENCY EM FIELDS (	SHF-EMF) ON THE BODY	1477
EASUREMENTS (3 TO 300 MEGAHERTZ) IN	SHIELDED CHAMBERS	3619
MAGNETOCARDIOGRAMS TAKEN INSIDE A	SHIELDED ROOM WITH A SUPERCONDUCTING POINT-CONTACT MAGNETOMETER	2103
	SHIELDING EFFECT OF MATERIALS IN THE ULF, ELF AND VLF REGION	1183
TESTS PROVE	SHIELDING KEEPS LINEMEN SAFE WORKING EHV	3101
	SHIELDING OF ELECTROMAGNETIC WAVES BY A SPHERICAL SHELL	3357
THE CLINICAL TESTING OF MALE GONAD	SHIELDS	3620
E NATURE OF RADIATION DURING A WORK	SHIFT	1437
RDOUS MICROWAVE FIELDS ABOARD NAVAL	SHIPS	0485
RDS FROM PHASED-ARRAY RADARS ABOARD	SHIPS	0944
ADIO FREQUENCY HAZARDS ABOARD NAVAL	SHIPS	1565
RADIO FREQUENCY FIELDS AND ELECTRIC	SHOCK	0527
ENCY ELECTRIC FIELD ON ANAPHYLACTIC	SHOCK AND ANTIBODY PRODUCTION (IN RUSSIAN)	1937
HUMAN THRESHOLDS OF ELECTRIC	SHOCK AT POWER TRANSMISSION FREQUENCIES	2022
TISSUE CAPILLARIES BY HYPERTHERMIA	SHOCK DURING HYPERGLYCEMIA (IN GERMAN)	0096
EFFECT OF ELECTRIC	SHOCK ON SEROTONIN (5 HT) CONTENT IN DIFFERENT ORGANS OF RAT	2227
G-TERM EFFECTS OF ELECTROCONVULSIVE	SHOCK THERAPY ON SYNTHESIS TURNOVER AND UPTAKE OF BRAIN MONOAMINES	1893
	SHOCK THRESHOLD FIXES APPLIANCE INSULATION RESISTANCE	3281
UNILATERAL ELECTRIC	SHOCK . ACUTE AND CHRONIC EXPERIMENTAL EEG'S ON RABBIT (IN ITALIAN)	1892
STANDARDIZATION OF EM FIELDS IN THE	SHORT AND ULTRASHORT WAVE RANGES	2555
EFFECT OF	SHORT AND ULTRASHORT WAVES ON THE BREEDING CAPACITY OF MALE RATS	1360
A COMPARISON OF ELECTRICALLY	SHORT BARE AND INSULATED PROBES FOR MEASURING THE LOCAL RADIO FREQ	1726
RESPONSE OF ELECTRICALLY	SHORT CABLES TO TRANSIENT EM FIELDS	0650
AN EFFECT OF	SHORT ELECTRIC WAVES ON DIPHTHERIA TOXIN INDEPENDENT OF THE HEAT F	0531
	SHORT ON SPACE? . . . . TRY THE COMPACT RANGE	1710
IME IN SQUIRREL MONKEYS EXPOSED FOR	SHORT PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS	1297
THE PRODUCTION OF FEVER IN MAN BY	SHORT RADIO WAVES	0454

OF THE ENDOMETRIUM WITH THE USE OF	SHORT RADIO WAVES	1960
TION OF CARDIAC PACEMAKER CAUSED BY	SHORT WAVE AND MICROWAVE DIATHERMIES AND PULSED HIGH FREQUENCY CUR	2087
A COMPARATIVE STUDY OF	SHORT WAVE AND MICROWAVE DIATHERMY ON BLOOD FLOW	0745
	SHORT WAVE EMR AS A HAZARD TO PERSONNEL	2505
	SHORT WAVE THERAPY	0587
RETINAL SENSITIVITY TO	SHORT WAVELENGTH LIGHT	1248
ON OF PULSED, HIGH FREQUENCY, RADIO	SHORT WAVES (DIAPULSE). 646 PATIENTS	1823
ON THE THERAPEUTIC EFFECT OF PULSED	SHORT WAVES IN INTERMITTENT CLAUDICATION	0490
TAL ARTHRITIS BY ATHERMIC PULSATING	SHORT WAVES IN RATS	1827
THE EFFECT OF PULSED,	SHORT WAVES ON ALVEOLAR HEALING	0512
ON THE MODIFICATIONS INDUCED BY	SHORT WAVES ON THE PERIPHERAL CIRCLE (STUDY OF NORMAL SUBJECTS)	1925
POSSIBILITIES OF LONG- AND	SHORT-RANGE ELECTRIC INTERACTIONS OF BIOLOGICAL SYSTEMS	2426
BIOLOGICAL EFFECT OF 27.12-MHZ	SHORT-WAVE DIATHERMIC HEATING IN EXPERIMENTAL TUMORS	0036
N PERIPHERAL BLOOD FLOW PRODUCED BY	SHORT-WAVE DIATHERMY	0620
RMITY AND INTRA-UTERINE DEATH AFTER	SHORT-WAVE THERAPY IN EARLY PREGNANCY IN EXPERIMENTAL ANIMALS	2879
	SHORTWAVE AND MICROWAVE DIATHERMY FOR DEEP-TISSUE HEATING	0205
EFFECT OF DIATHERMY (	SHORTWAVE AND MICROWAVE) ON BONE GROWTH IN THE ALBINO RAT	3371
THE PLACENTA UNDER THE INFLUENCE OF	SHORTWAVE IRRADIATION: EXPERIMENTAL INVESTIGATIONS ON ANIMALS	0541
OBSERVATIONAL EVIDENCE THAT	SHORTWAVE RADIATION GIVES ORIENTATION TO VARIOUS INSECTS MOVING AC	0916
R HEATING AND GROWTH RETARDATION BY	SHORTWAVE RADIOFREQUENCY	0364
ADVANCES IN	SHORTWAVE THERAPY	0966
	SHUTTLEBOX SIDE PREFERENCE DURING PULSED MICROWAVE AND CONVENTIONA	0239
TREATMENT, AND OUTCOME OF RADIOWAVE	SICKNESS	1441
ARIOUS INTENSITIES AND IN RADIOWAVE	SICKNESS	1442
NCTION OF THE ADRENALS IN RADIOWAVE	SICKNESS	1443
ME ENVIRONMENTAL AND HEALTH RELATED	SIDE EFFECTS OF HIGH VOLTAGE POWER TRANSMISSION	3111
SHUTTLEBOX	SIDE PREFERENCE DURING PULSED MICROWAVE AND CONVENTIONAL AUDITORY	0239
LESS MONITORING OF RADIATION NOW IN	SIGHT	2470
L FOR A MICROWAVE RADIATION WARNING	SIGN	1698
	SIGNAL POLARIZATIONS IN THE VHF AND UHF BROADCAST SPECTRUM	1718
HOLDS OF MICROWAVE-INDUCED AUDITORY	SIGNALS	2759
ELECTRIC	SIGNALS AND SCHOOLING BEHAVIOR IN A WEAKLY ELECTRIC FISH, MARCUSEN	1176
GENERATION OF ACOUSTIC	SIGNALS BY PULSED MICROWAVE ENERGY	0718
EM	SIGNALS IN LIVING NATURE: FACTS, HYPOTHESES, DIRECTIONS OF RESEARC	0929
THE GENERATION OF ACOUSTIC	SIGNALS IN MATERIALS IRRADIATED WITH MICROWAVE PULSES--A THEORETI	2441
IN SPECIES OF FISH PRODUCE ELECTRIC	SIGNALS THAT ARE USED FOR IDENTIFICATION, AGGREGATION, AND DISPERS	0502
TO HEAR HEART'S	SIGNALS , A DEEP WELL	2095
RPTION CROSS SECTIONS OF BIOLOGICAL	SIGNIFICANCE	3449
THE BIOLOGIC ACTION AND HYGIENIC	SIGNIFICANCE OF EM FIELDS OF SUPERHIGH AND ULTRAHIGH FREQUENCIES I	0889
THE EMBRYOLOGICAL	SIGNIFICANCE OF INDUCED CONGENITAL ANOMALIES	2886
	SIGNIFICANCE OF MICROTHERMAL EFFECTS DERIVED FROM LOW LEVEL UHF-MI	0524
THE BIOLOGICAL	SIGNIFICANCE OF POWER LINE AND HIGH VOLTAGE SWITCHYARD ENVIRONMENT	3171
THE BIOLOGICAL	SIGNIFICANCE OF RADIOFREQUENCY RADIATION EMISSION ON CARDIAC PACEM	2199
THE BIOLOGICAL	SIGNIFICANCE OF RADIOFREQUENCY RADIATION EMISSSION ON CARDIAC PACE	1777
	SIGNIFICANCE OF SOME BIOCHEMICAL BLOOD INDICES IN EARLY DETECTION	2047
BIOLOGICAL	SIGNIFICANCE OF ZERO MAGNETIC FIELD CONDITIONS AND PERTURBATIONS O	2431
GONAD DOSES AND GENETICALLY	SIGNIFICANT DOSE FROM DIAGNOSTIC RADIOL.: U. S., 1964 AND 1970	0986
ERMIA AS INDUCED BY RF RADIATION OF	SIMULACRA WITH EMBEDDED TUMORS AND AS INDUCED BY EM FIELDS IN A MO	2732
THE USE OF BIOLOGICAL	SIMULANTS IN ESTIMATING THE DOSE OF MICROWAVE ENERGY	0499
APPING OF THE NEAR-FIELD PATTERN IN	SIMULATED BIOLOGICAL TISSUES	0145
EXPERIMENTAL DEVELOPMENT OF	SIMULATED BIOMATERIALS FOR DOSIMETRY STUDIES OF HAZARDOUS MICROWAV	0858
MICROWAVE HEATING OF	SIMULATED HUMAN LIMBS BY APERTURE SOURCES	2948
IATURE, ELECTRIC FIELD PROBE WITHIN	SIMULATED MUSCULAR TISSUES	2207
ELECTRIC-FIELD PROBE WITHIN FINITE	SIMULATED TISSUES	2731
IT ELECTROMAGNETIC FIELDS AND THEIR	SIMULATION	3080
SPONSE TO RANDOM PULSES BY COMPUTER	SIMULATION	3116
KERS BY DIATHERMY TESTED IN VARIOUS	SIMULATION MODELS	0235
LAB	SIMULATION OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC " ELDS	1672
THE NUMERICAL THERMAL	SIMULATION OF THE HUMAN BODY WHEN ABSORBING NON-IONIZING MICROWAVE	2191
AFRRI ELECTROMAGNETIC PULSE (EMP)	SIMULATOR	2085
CURE OF A SOLID TUMOR BY	SIMULTANEOUS ADMINISTRATION OF MICROWAVES AND X-RAY IRRADIATION	1958
N BALANCE MICROWAVE THERMOGRAPH FOR	SIMULTANEOUS AND INDEPENDENT TEMPERATURE AND EMISSIVITY MEASUREMEN	0255
	SIMULTANEOUS APPLICATION OF PULSED HIGH FREQUENCY CURRENTS AND GAM	1281
	SIMULTANEOUS FAR-FIELD IRRADIATION OF MULTIPLE MOUSE TUMORS FOR MI	0322
ERAPEUTIC AGENTS WHEN COMBINED WITH	SIMULTANEOUS MICROWAVE IRRADIATION	2325

	SIMULTANEOUS MICROWAVE LOCAL HEATING AND MICROWAVE THERMOGRAPHY: P	0264
ULAR REGION OF THE HYPOTHALAMUS AND	SIMULTANEOUS RESECTION OF THE PINEAL GLAND (IN FRENCH)	2855
CROSSED-BEAM APPARATUS FOR	SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE	0871
CROSSED-BEAM APPARATUS FOR	SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE	3383
EFFECTS OF NONIONIZING EMR ON	SINGLE-CELL BIOLOGIC SYSTEMS	1086
INVESTIGATION OF	SINGLE-EXPOSURE MICROWAVE OCULAR EFFECTS AT 3000 MHZ	1065
TOOXIDATION AND MICROWAVE GENERATED	SINGLET OXIDATION	2046
OXIDATION OF AMINO ACIDS BY	SINGLET OXYGEN: I. COMPARISON OF DYE SENSITIZED PHOTOOXIDATION AND	2046
THE MUCOUS MEMBRANE OF THE FRONTAL	SINUS UNDER THE INFLUENCE OF MICROWAVES	1302
USE OF	SINUS-MODULATED CURRENTS AND ULTRASOUND IN OBLITERATIVE DISEASES O	2707
ELECTROSTIMULATION BY	SINUSOIDAL MODULATED CURRENT IN INTEGRATED TREATMENT OF PATIENTS W	0215
E KNEE JOINT UNDER THE INFLUENCE OF	SINUSOIDAL MODULATED CURRENT PULSES	2045
SECONDARY ENDING TO SMALL AMPLITUDE	SINUSOIDAL STRETCH	2641
AVE IRRADIATION IN THE CLOSED-SPACE	SITUATION	1541
THE EFFECT OF	SIXTY-CYCLE AC CURRENT ON THE REGENERATION AXIS OF DUGESIA	2648
MICROWAVE OVEN CONTROVERSY	SIZZLES	3084
ON OF CALLUS FORMATION AND EXTERNAL	SKELETAL FIXATION USING METHYL METHACRYLATE FOR DELAYED UNION OF O	2781
REASED BY ELECTRICAL STIMULATION OF	SKELETAL MUSCLE CELL CULTURES	1017
OF LOW FREQUENCY EM FIELD PULSES ON	SKELETAL MUSCLE METABOLISM IN THE RAT	2048
INHIBITION OF DEMAND PACEMAKERS BY	SKELETAL MUSCLE POTENTIALS	2839
HEN RADIO WAVES PENETRATE THE HUMAN	SKIN	1267
OST-RADIATION HYPERTHERMIA ON HUMAN	SKIN AND TUMOR RESPONSE	2341
ICROWAVE ABSORPTION OF LIVING HUMAN	SKIN BETWEEN 8 AND 96 GHZ	1690
PART 2: EFFECT OF THE RADIATION ON	SKIN BIOCHEMISTRY	0452
HUMAN	SKIN BURNS INDUCED BY DEFIBRILLATOR DEFAULT CURRENT	1873
TEMPERATURE REACTION OF THE	SKIN DURING IRRADIATION WITH MICRO-WAVES OF LOW INTENSITY	0607
MICROWAVES AT X-BAND ON GUINEA-PIG	SKIN IN TISSUE CULTURE, PART 1: MICROWAVE APPARATUS FOR EXPOSING T	0523
MICROWAVES AT X-BAND ON GUINEA-PIG	SKIN IN TISSUE CULTURE, PART 2: EFFECT OF THE RADIATION ON SKIN BI	0452
MICROWAVES AT X-BAND ON GUINEA-PIG	SKIN IN TISSUE CULTURE, PART 3: EFFECT OF PULSED MICROWAVES ON SKI	0453
T OF PULSED MICROWAVES AT X-BAND ON	SKIN METABOLISM	2049
ARATING EPIDERMAL TISSUE FROM MOUSE	SKIN PRESERVING RNA, DNA, PROTEIN, AND PHORBOL ESTER-INDUCED ORNIT	2825
AND THE EFFECT OF THE RADIATION ON	SKIN RESPIRATION	0523
T 3: EFFECT OF PULSED MICROWAVES ON	SKIN RESPIRATION AND BIOCHEMISTRY	0453
EM FIELDS AND	SKIN WOUND REPAIR	0904
	SKIN-EFFECT CORRECTIONS IN IMMITTANCE AND SCATTERING COEFFICIENT S	3343
SORPTION OF MICROWAVES BY THE HUMAN	SKULL	1704
S NEAR A FINITE, PLANAR, DIELECTRIC	SLAB	2720
LONG FINITE LENGTH LOSSY DIELECTRIC	SLABS IN WAVEGUIDE	1645
THE	SLEEP PROCESS OF RABBITS EXPOSED TO LOW INTENSITY NONIONIZING EMR	2174
RADIATION ON PENTOBARBITAL-INDUCED	SLEEPING TIME	2171
TION ON RABBIT SERUM COMPONENTS AND	SLEEPING TIMES	0634
S OF WEAK 45-75 HZ EM FIELDS ON THE	SLIME MOLD PHYSARUM POLYCEPHALUM	2182
MITOTIC DELAY IN THE	SLIME MOULD PHYSARUM POLYCEPHALUM INDUCED BY LOW INTENSITY 60 AND	0907
NISM OF PUPILS IN LABORATORIES (IN	SLO)	0342
OGICAL EFFECTS RESEARCH-- WAVEGUIDE	SLOT ARRAY WITH CONSTANT RADIATION INTENSITY	2740
THE DIPOLE/	SLOT RADIATION PATTERN AND ITS USE IN UNDERSTANDING MICROWAVE LEAK	0773
A CAVITY-BACKED	SLOT RADIATOR FOR MICROWAVE BIOLOGICAL EFFECT RESEARCH	1020
2450 MHZ AND 915 MHZ PLANE WAVE AND	SLOT SOURCES	2671
LECTRIC MATERIALS WITH THE PRECISON	SLOTTED LINE	3347
GH FREQUENCY RANGE ON THE COURSE OF	SLOW ALLERGIC REACTIONS (IN RUSSIAN)	0344
UMAN FRACTURE HEALING BY MEANS OF A	SLOW PULSATING, ASYMMETRICAL DIRECT CURRENT	2784
BRAINS. II. APPEARANCE OF FAST AND	SLOW WAVES AFTER CHRONIC IRRADIATIONS	0287
DUODENAL-GASTRIC REFLUX AND	SLOWED GASTRIC EMPTYING BY ELECTRICAL PACING OF THE CANINE DUODENA	1840
ION OF EM WAVES IN MEDIA WHICH VARY	SLOWLY WITH POSITION AND TIME	0729
ELECTRONIC	SMOG AS A POTENTIATING FACTOR IN CARDIOVASCULAR DISEASE: A HYPOTHE	1636
THE MENACE OF ELECTRIC	SMOG	0385
THE APPLICATION OF	SOCIAL AND ECONOMIC VALUES TO SPECTRUM MANAGEMENT: INTERIM REPORT	3163
RADIO SPECTRUM, VOL II, TECHNICAL,	SOCIAL , ECONOMIC AND ADMINISTRATIVE FACTORS	3162
ENVIRONMENTAL MUTAGEN	SOCIETY 6TH ANNUAL MEETING, PROGRAM AND ABSTRACTS: NON-THERMAL RA	3621
	SOFT TISSUE STRETCHING WITH MAGNETS	3407
LING IN COMBAT INJURIES TO HARD AND	SOFT TISSUES	1428
COMBINED EFFECTS OF UHF AND	SOFT X-RADIATION ON ANIMALS	1366
ROWAVES COMBINED WITH THE ACTION OF	SOFT X-RAY IRRADIATION AND HEAT	1277
COMBINED EXPOSURE TO MICROWAVES AND	SOFT X-RAYS ON IMMUNOBIOLOGICAL REACTIVITY OF ANIMALS	1453
BINED EXPOSURE TO SHF EM FIELDS AND	SOFT X-RAYS ON THE PERIPHERAL BLOOD	1452

TREATMENT OF	SOFT-TISSUE INJURIES BY PULSED ELECTRICAL ENERGY	1829
F MICROWAVE IRRADIATION OF SEEDS IN	SOIL	1125
OWAVE IRRADIATION OF PLANT ROOTS IN	SOIL	1785
WAVE ENERGY TO CONTROL NEMATODES IN	SOIL	1914
ANGUINE: MONITORING POPULATIONS OF	SOIL ANIMALS AT THE WISCONSIN TEST FACILITY	2276
XTREMELY LOW FREQUENCY EM FIELDS ON	SOIL ARTHROPODS	1759
S: EFFECT OF LONG- TERM EXPOSURE ON	SOIL ARTHROPODS AND OTHER ANIMALS IN NATURE	2160
XTREMELY LOW FREQUENCY EM FIELDS ON	SOIL ARTHROPODS IN NATURE	1766
DS: EFFECT OF LONG-TERM EXPOSURE ON	SOIL ARTHROPODS IN NATURE	1769
XTREMELY LOW FREQUENCY EM FIELDS ON	SOIL ARTHROPODS: ONGOING STUDIES AT THE PROJECT SANGUINE WISCONSI	1689
REME LOW-FREQUENCY EM FIELDS AFFECT	SOIL ARTHROPODS? ONGOING STUDIES AT THE WISCONSIN TEST FACILITY	1764
	SOIL MICROORGANISM POPULATION DYNAMICS IN WEAK ELF EM FIELDS	1771
450 MHZ MICROWAVE RADIATION ON SOME	SOIL MICROORGANISMS IN SITU	1918
RESPONSE OF PLANTS AND	SOIL MICROORGANISMS TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS	1761
	SOIL TREATMENT BY MICROWAVE ENERGY TO DESTROY PLANT PATHOGENS	3471
AUGUST 1972	SOLAR ACTIVITY AND RELATED GEOPHYSICAL EFFECTS	3009
YPERTONIC CRISES AND CHANGES OF THE	SOLAR ACTIVITY AND THE EARTH'S MAGNETIC FIELD INTENSITY (IN RUSSIA	2690
PERSPECTIVES ON SATELLITE	SOLAR POWER	2080
THE POTENTIAL OF SATELLITE	SOLAR POWER	2695
	SOLAR POWER FROM SATELLITES	0575
OICAL AND ECOLOGICAL EFFECTS OF THE	SOLAR POWER SATELLITE TRANSMISSION SYSTEM	0113
	SOLAR POWER SATELLITES: MICROWAVES DELIVER THE POWER	0134
POWER TRANSMISSION FROM AN ORBITING	SOLAR POWER STATION	2933
SATELLITE	SOLAR POWER STATION: AN OPTION FOR POWER GENERATION	2951
EFFECT OF THE MAGNETIC FIELD OF A	SOLENOID ON THE CENTRAL NERVOUS SYSTEM	0727
HIGH-FREQUENCY FIELDS IN	SOLENOIDAL COILS	3311
DESTRUCTION OF ESCHERICHIA COLI AND	SOLMONELLA TYPHIMURIUM IN MICROWAVE-COOKED SOUPS	0814
ON IN AQUEOUS SOLUTIONS AND ORGANIC	SOLVENTS	2481
E OVEN LEAKAGE: FEDERAL REGULATIONS	SOON	0488
THE BIOLOGICAL ACTION OF ULTRASONIC	SOUND AND SUPER HIGH- FREQUENCY EM FIELDS IN THE THREE-CENTIMETER	2051
LLA TYPHIMURIUM IN MICROWAVE-COOKED	SOUPS	0814
VELOP NEW SUB-MILLIMETER-WAVE POWER	SOURCE	1661
TOM HEADS IRRADIATED BY AN APERTURE	SOURCE	2590
E EXPOSURE RESULTING FROM DIFFERENT	SOURCE GASES	1221
TERNS DUE TO A RECTANGULAR APERTURE	SOURCE IN DIRECT CONTACT WITH BILAYERED BIOLOGICAL TISSUE	2947
CONTAINING A UNIFORMLY DISTRIBUTED	SOURCE	3287
A GENERAL ELECTROMAGNETIC APERTURE	SOURCE	3326
SUE CYLINDERS EXPOSED TO PLANE WAVE	SOURCES	0851
EADS DUE TO APERTURE AND PLANE WAVE	SOURCES	1097
SS SECTION IRRADIATED BY PLANE WAVE	SOURCES	1122
MICROWAVE RADIATION FROM HIGH POWER	SOURCES	1422
ABBITS EXPOSED TO TYPICAL MICROWAVE	SOURCES	1864
RADIOFREQUENCY (15-40.68 MHZ) POWER	SOURCES	2210
NG MICROWAVE- EXCITED SPECTROSCOPIC	SOURCES	2567
MHZ AND 915 MHZ PLANE WAVE AND SLOT	SOURCES	2671
F SIMULATED HUMAN LIMBS BY APERTURE	SOURCES	2948
AN OVERVIEW OF DIATHERMY	SOURCES	3185
REPAIRMEN OF MICROWAVE	SOURCES	3186
	SOURCES AND BIOLOGICAL EFFECTS OF NONIONIZING EMR	2147
YSICAL RELATIONSHIP BETWEEN TYPICAL	SOURCES AND HUMAN TARGETS	0504
WORKSHOP ON	SOURCES AND SAFE LEVELS OF ELECTRIC AND MAGNETIC FIELDS	1681
NNEL EXPOSED TO EM ULTRA-SHORT WAVE	SOURCES IN TELEVISION AND RADIO BROADCASTING STATIONS	1344
TION LEVELS RESULTING FROM MAN-MADE	SOURCES IN THE WASHINGTON, D.C., AREA	0913
SATELLITE COMMUNICATION SYSTEMS AS	SOURCES OF ENVIRONMENTAL MICROWAVE RADIATION	1284
SATELLITE COMMUNICATION SYSTEMS AS	SOURCES OF ENVIRONMENTAL MICROWAVE RADIATION	3237
NDARDS AND REGULATIONS FOR HANDLING	SOURCES OF HIGH, ULTRAHIGH, AND SUPERHIGH FREQUENCY ELECTROMAGNETI	3109
OST-BENEFIT ESTIMATES FOR THE MAJOR	SOURCES OF RADIATION EXPOSURE	2975
RAL CIRCULATION IN PERSONS HANDLING	SOURCES OF ULTRAHIGH RADIO FREQUENCIES BASED ON THE RESULTS OF RHE	1499
RADIATION HAZARDS FROM MICROWAVE	SOURCES WITH MOBILE ANTENNAS: CERTAIN TECHNICAL PROBLEMS	0882
	SOURCES , PROPAGATION, AMPLITUDE AND TEMPORAL VARIATION OF EXTREMEL	1663
MICROWAVE RADIATION FROM HIGH POWER	SOURCES	3251
	SOVIET-AMERICAN COOPERATION IN ENVIRONMENTAL HEALTH SCIENCE	0274
TROMAGNETIC RADIATION FROM GAP-TYPE	SPARK DISCHARGES ON ELECTRIC POWER DISTRIBUTION LINES	3181
ELECTRIC CURRENT	SPARKS MAMMALIAN TISSUE REGENERATION	0739
CADIAN ACTIVITY RHYTHM OF THE HOUSE	SPARROW , PASSER DOMESTICUS	2163

THE INSOUCIANT	SPARROWS OF CONSTANTINOV: A CASE STUDY OF EM ETHOLOGY	2168
TREATMENT OF	SPASMODIC TORTICOLLIS BY DORSAL COLUMN STIMULATION	0001
TREATMENT OF	SPASMODIC TORTICOLLIS BY DORSAL COLUMN STIMULATION	3406
WITH SPINAL CORD DISEASES AND WITH	SPASTIC AND MIXED PARESES	0215
CTRICAL SPINAL CORD STIMULATION FOR	SPASTIC MOVEMENT DISORDERS	3428
ER: RAMAN SPECTROSCOPY OF MOLECULAR	SPECIES DURING EXPOSURE TO 100-MHZ RADIO-FREQUENCY FIELDS	1084
TRIC COMMUNICATION IN FISH: CERTAIN	SPECIES OF FISH PRODUCE ELECTRIC SIGNALS THAT ARE USED FOR IDENTIF	0502
OXYGEN CONSUMPTION IN FOUR	SPECIES OF INVERTEBRATES AND A VERTEBRATE NATURALLY EXPOSED TO SAN	1706
ECTROMAGNETIC RADIATION ON AN AVIAN	SPECIES	0140
COMPARISON OF THE AVERAGE	SPECIFIC ABSORPTION RATE IN THE ELLIPSOIDAL CONDUCTOR AND DIELECTR	2737
METAL ION CONTENT OF	SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MHZ RADIOFREQUENCY IRRA	0841
THE ROLE OF FREQUENCY IN PRODUCING	SPECIFIC BIOLOGICAL EFFECTS FROM MICROWAVES (IN FRENCH)	2632
NEUROCHEMICAL ALTERATIONS IN	SPECIFIC BRAIN AREAS IN RODENTS EXPOSED TO HIGH INTENSITY FIELDS	1290
EFFECTS OF MODULATED VHF FIELDS ON	SPECIFIC BRAIN RHYTHMS IN CATS	0447
A	SPECIFIC EFFECT OF HIGH-FREQUENCY ELECTRIC CURRENTS ON BIOLOGICAL	0544
A	SPECIFIC EFFECT OF THE BIOLOGICAL IMPACT OF MICROWAVES	3430
PROPOSALS FOR	SPECIFICATION OF ALLOWABLE LEVELS OF MICROWAVE RADIATION	0628
	SPECIFICATIONS FOR TECHNIQUES AND INSTRUMENTATION FOR EVALUATING R	3460
RECOMMENDATIONS FOR	SPECIFYING EM WAVE IRRADIATION CONDITIONS IN BIOEFFECTS RESEARCH	1330
MICROWAVE RADIATION BY A BIOLOGICAL	SPECIMEN IN A 2450 MHZ MICROWAVE FIELD	0744
MICROWAVE RADIATION BY A BIOLOGICAL	SPECIMEN IN A 2450 MHZ MICROWAVE FIELD	3091
MICROWAVE RADIATION BY A BIOLOGICAL	SPECIMEN IN A 2450 MHZ MICROWAVE FIELD	3257
XPOSURE SYSTEM FOR SMALL BIOLOGICAL	SPECIMENS	1265
WAVE EXPOSURE SYSTEM FOR BIOLOGICAL	SPECIMENS	1495
MICROWAVE FIXATION OF FETAL	SPECIMENS	2767
F RF POWER-ABSORPTION IN BIOLOGICAL	SPECIMENS (10 TO 100 MHZ)	1709
UTIONS AS PRODUCED BY MICROWAVES IN	SPECIMENS UNDER THERAPEUTIC CONDITIONS	3545
MENTS IN THE PRESENCE OF BIOLOGICAL	SPECIMENS	0442
MEGACYCLES IN GEOMETRICALLY COMPLEX	SPECIMENS	3328
N IN TISSUE SPHERES DUE TO MEASURED	SPECTRA OF ELECTROMAGNETIC PLANE WAVE	3601
N IN TISSUE SPHERES DUE TO MEASURED	SPECTRA OF EM PLANE WAVE	1028
INFRARED	SPECTRA OF ERYTHROCYTE SHADOWS IN THE REGION OF AMIDE I AND AMIDE	1794
EFFECTS: MILLIMETER WAVES AND RAMAN	SPECTRA- REPORT OF A PANEL DISCUSSION	0392
SED MICROWAVE FIELD AS EVIDENCED BY	SPECTRAL ANALYSIS OF ELECTROCORTICOGRAMS FROM THE WHITE RAT	1061
RF PULSE	SPECTRAL MEASUREMENTS IN THE VICINITY OF SEVERAL AIR TRAFFIC CONTR	0629
D BIOEFFECTS THRESHOLDS FOR VARIOUS	SPECTRAL RANGES OF LIGHT	0653
SED-BEAM APPARATUS FOR SIMULTANEOUS	SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMIC	0871
SED-BEAM APPARATUS FOR SIMULTANEOUS	SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMIC	3383
MICROWAVE TIME DELAY	SPECTROSCOPIC IMAGERY OF ISOLATED CANINE KIDNEY	0423
S WHEN EMPLOYING MICROWAVE- EXCITED	SPECTROSCOPIC SOURCES	2567
TUMOUR CELLS AS SEEN BY LASER-RAMAN	SPECTROSCOPY	1131
LECULAR WEIGHT BIOPOLYMERS BY RAMAN	SPECTROSCOPY	1609
RIC TARGETS BY MICROWAVE TIME DELAY	SPECTROSCOPY	3410
ALTERNATING CURRENT	SPECTROSCOPY OF BIOLOGICAL SUBSTANCES	2950
DISCUSSION PAPER: RAMAN	SPECTROSCOPY OF MOLECULAR SPECIES DURING EXPOSURE TO 100-MHZ RADIO	1084
NS OF MAGNETIC RESONANCE ABSORPTION	SPECTROSCOPY TO THE STUDY OF THE EFFECTS OF MICROWAVES ON BIOLOGIC	1472
BODY IN THE MICROWAVE REGION OF THE	SPECTRUM	0475
ATIONS IN THE VHF AND UHF BROADCAST	SPECTRUM	1718
RNMENT'S USE OF THE RADIO FREQUENCY	SPECTRUM	3174
THE MANAGEMENT OF THE RADIO	SPECTRUM AND ITS RELATIONSHIP TO THE ENVIRONMENT	2990
ELECTROMAGNETIC	SPECTRUM CONGESTION INVESTIGATION	2965
THE OTP/OT	SPECTRUM MANAGEMENT PROGRAM--AN OVERVIEW	1742
ON OF SOCIAL AND ECONOMIC VALUES TO	SPECTRUM MANAGEMENT: INTERIM REPORT	3163
NAL RELATIONSHIP OF THE ATMOSPHERIC	SPECTRUM OF ELECTRICAL DISCHARGES AND THE BIOLOGICAL ACTIVITY OF L	2724
RING ON THE FUTURE USE OF THE RADIO	SPECTRUM , VOL I, SUMMARY	3161
RING ON THE FUTURE USE OF THE RADIO	SPECTRUM , VOL II, TECHNICAL, SOCIAL, ECONOMIC AND ADMINISTRATIVE F	3162
NEWS: THE REST OF THE E/M	SPECTRUM	3247
	SPERM DON'T LIKE IT HOT	1198
OF PERMANENT MAGNETIC FIELD ON THE	SPERM OF BREEDING BULLS (IN RUS)	0082
INFLUENCE OF UHF ELECTRIC FIELD ON	SPERMATOGENESIS IN TREATMENT OF PATIENTS WITH EPIDIDYMITIS	0933
EFFECT OF A UHF ELECTRIC FIELD ON	SPERMATOGENESIS	0224
	SPERMATOZOAN ACTIVITY AND INSEMINATION IN TENEBRIO MOLITOR FOLLOWI	1927
MICROWAVE EXPOSURE OF A BIOLOGICAL	SPHERE	1309
CTIVITY OF DIELECTRIC CONSTANT OF A	SPHERE DETERMINED BY SCATTERED FIELD MEASUREMENTS	3563
ON CHARACTERISTICS OF MULTI-LAYERED	SPHERE MODELS EXPOSED TO UHF/MICROWAVE RADIATION	1715

TEMPERATURE DISTRIBUTION IN A	SPHERE WITH LOCAL COOLING	3286
S IN TWO SUZES OF MUSCLE-EQUIVALENT	SPHERES	1027
ORMATION OF HOT SPOTS IN MULTILAYER	SPHERES	1208
N OF HEATING POTENTIAL INSIDE LOSSY	SPHERES	1209
S IN TWO SIZES OF MUSCLE-EQUIVALENT	SPHERES	3600
N HOMEGENEOUS AND MULTILAYER TISSUE	SPHERES AND EFFECT OF CIRCULATION	2447
HOT SPOTS GENERATED IN CONDUCTING	SPHERES BY EM WAVES AND BIOLOGICAL IMPLICATIONS	0803
TEMPERATURE PROFILES IN	SPHERES DUE TO ELECTROMAGNETIC HEATING	0250
I DOSE RATE DISTRIBUTION IN TISSUE	SPHERES DUE TO MEASURED SPECTRA OF ELECTROMAGNETIC PLANE WAVE	3601
I DOSE RATE DISTRIBUTION IN TISSUE	SPHERES DUE TO MEASURED SPECTRA OF EM PLANE WAVE	1028
ON FOR THE DIAMETERS OF THIN-WALLED	SPHERES ON THE BASIS OF EMR SCATTER DATA	1475
ELECTROMAGNETIC SCATTERING FROM	SPHERES WITH SIZES COMPARABLE TO THE WAVELENGTH	3442
II, THE SCAT PROGRAM, MULTILAYERED	SPHERES , THEORY AND APPLICATIONS	0263
SFER AND FLOW PHENOMENA OF ROTATING	SPHERES	3304
THIN FILM	SPHERICAL BOLOMETER FOR MEASUREMENT OF HAZARDOUS FIELD INTENSITIES	3297
AL DISTRIBUTION IN AN INHOMOGENEOUS	SPHERICAL MODEL OF A CRANIAL STRUCTURE EXPOSED TO MICROWAVES DUE T	0052
POWER DEPOSITION IN A	SPHERICAL MODEL OF MAN EXPOSED TO 1-20-MHZ EM FIELDS	1700
ELF COUPLING TO	SPHERICAL MODELS OF MAN AND ANIMALS	1244
OWAVE POWER DENSITY ABSORPTION IN A	SPHERICAL MULTILAYERED MODEL OF THE HEAD	2198
MICROWAVE RADIATION IN A TRILAYERED	SPHERICAL PHANTOM	1816
AN ELECTROMAGNETIC PLANE WAVE AND A	SPHERICAL SHELL	2959
ELECTROMAGNETIC PLANE AND A DOUBLE	SPHERICAL SHELL	3088
TROMAGNETIC PLANE WAVE AND A DOUBLE	SPHERICAL SHELL	3551
LDING OF ELECTROMAGNETIC WAVES BY A	SPHERICAL SHELL	3357
PLANE WAVE IRRADIATION OF A PROLATE	SPHEROID MODEL OF MAN	1174
MAGNETIC COUPLING TO A PROLATE	SPHEROID MODEL OF MAN	2435
EM POWER DEPOSITION IN PROLATE	SPHEROID MODELS OF MAN AND ANIMALS AT RESONANCE	2785
S OF EM POWER ABSORPTION BY PROLATE	SPHEROIDAL AND ELLIPSOIDAL MODELS OF MAN	1604
AD-BAND SAR CALCULATIONS OF PROLATE	SPHEROIDAL MODELS OF HUMANS AND ANIMALS	0301
NGTH EM POWER ABSORPTION IN PROLATE	SPHEROIDAL MODELS OF MAN AND ANIMALS	1305
BSORBED BY MONKEY AND HUMAN PROLATE	SPHEROIDAL PHANTOMS IN AN IRRADIATION CHAMBER	2193
NT OF POWER ABSORPTION DENSITIES IN	SPHEROIDAL TISSUE STRUCTURES AND PHANTOM MODELS OF MAN EXPOSED TO	1740
F APPLIED ELECTRICAL CURRENT IN THE	SPINAL CORD AND ITS EFFECTS ON EVOKED POTENTIALS	1886
TEGRATED TREATMENT OF PATIENTS WITH	SPINAL CORD DISEASES AND WITH SPASTIC AND MIXED PARESES	0215
RATION IN PERIPHERAL NERVES AND THE	SPINAL CORD IN LAB. ANIMALS EXPOSED TO A PULSED EM FIELD	0855
FUNCTIONAL STIMULATION OF THE	SPINAL CORD IN MULTIPLE SCLEROSIS	0069
ATION FOR VOIDING DYSFUNCTION AFTER	SPINAL CORD INJURY	0009
OME EFFECTS OF EMR ON THE BRAIN AND	SPINAL CORD OF CATS	1059
THE TRANSMISSION OF REFLEXES IN THE	SPINAL CORD OF CATS DURING DIRECT IRRADIATION WITH MICROWAVES	1639
	SPINAL CORD STEREOTACTIC TECHNIQUES RE TRIGEMINAL NUCLEOTOMY AND E	3426
ELECTRICAL	SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS	3428
NEOUS RADIOFREQUENCY DENERVATION OF	SPINAL FACETS	1331
ON ON THE SENSITIVITY OF THE MUSCLE	SPINDLE SECONDARY ENDING TO SMALL AMPLITUDE SINUSOIDAL STRETCH	2641
RICAL STIMULATION OF THE PROTOZOAN,	SPIROSTOMUM AMBIGUUM	2475
OMPLEMENT RECEPTOR-BEARING LYMPHOID	SPLEEN CELLS IN MICE	2066
TING MAGNETIC FIELD OF 200 GAUSS ON	SPLENECTOMIZED MICE (IN CZECHOSLOVAKIAN)	2709
Y AND EMPIRICAL STUDIES OF LYMPHOID	SPLENIC CELLS	2756
S OF WEAK MAGNETIC FIELDS ON GERBIL	SPONTANEOUS ACTIVITY	2122
I: HYPERTHERMIC EFFECTS IN MAN AND	SPONTANEOUS ANIMAL TUMORS	2063
LIZED CURRENT FIELD HYPERTHERMIA OF	SPONTANEOUS MALIGNANT NEOPLASMS OF ANIMALS. A PRECLINICAL STUDY	2329
OF LOW-LEVEL MICROWAVE RADIATION ON	SPONTANEOUS MOTOR ACTIVITY IN RATS	1093
IELECTRIC LOSS OF BACILLUS SUBTILIS	SPORES IN AQUEOUS SUSPENSIONS	0960
N THE RESPONSE OF BACILLUS SUBTILIS	SPORES TO MICROWAVE EXPOSURE	2407
	SPURIOUS RADIATION FROM MICROWAVE OVENS	0347
FIELDS ON THE ELECTROCARDIOGRAM OF	SQUIRREL MONKEYS (SAIMIRI SCIUREUS)	2496
BEHAVIOR AND COLONIC TEMPERATURE OF	SQUIRREL MONKEYS (SAIMIRI SCIUREUS) DURING MICROWAVE IRRADIATION	2539
CTS AS MEASURED BY REACTION TIME IN	SQUIRREL MONKEYS EXPOSED FOR SHORT PERIODS TO EXTREMELY LOW-FREQUE	1297
EXPOSURE OF	SQUIRREL MONKEYS FOR LONG PERIODS TO EXTREMELY LOW-FREQUENCY MAGNE	1752
EGG PROTEINS AND YOLK DURING EARLY	STAGES OF INCUBATION	0219
RMONE RELEASING FACTOR IN PITUITARY	STALK BLOOD FROM FEMALE RATS: SEX STEROID MODULATION OF RESPONSE T	0635
ISHING A RADIO FREQUENCY EMR SAFETY	STANDARD	0633
WELFARE MICROWAVE OVEN PERFORMANCE	STANDARD	1817
MAGNETIC FIELD	STANDARD AT FREQUENCIES ABOVE 30 MHZ	2189
PROPOSED REVISIONS TO ANSI	STANDARD C95.1 FOR EXPOSURE TO RADIO FREQUENCY AND MICROWAVE RADIA	1789
N OF ERRORS IN GAIN MEASUREMENTS OF	STANDARD ELECTROMAGNETIC HORNS	3568

TECHNIQUES FOR PRODUCING	STANDARD EM FIELDS FROM 10 KHZ TO 10 GHZ FOR EVALUATING RADIATION	0251
A REPT. ON A BIOMEDICAL TELEMETRY	STANDARD FOR EMERGENCY MEDICAL COMMUNICATIONS	1427
AN EMC	STANDARD FOR MEDICAL ELECTRONIC DEVICES	2831
PERFORMANCE	STANDARD FOR MICROWAVE DIATHERMY PRODUCTS	3608
IS TODAY'S	STANDARD FOR MICROWAVE RADIATION SAFE FOR HUMANS?	0560
NEW	STANDARD OF ELECTRIC FIELD STRENGTH	3300
USA	STANDARD RADIO FREQUENCY RADIATION HAZARD WARNING SYMBOL	3627
ISHING A RADIO FREQUENCY EMR SAFETY	STANDARD '	1800
CY ELECTROMAGNETIC RADIATION SAFETY	STANDARD	2915
WHY THE DOUBLE	STANDARD ? A CRITICAL REVIEW OF RUSSIAN WORK ON THE HAZARDS OF MIC	2286
CURRENT PROBLEMS IN THE	STANDARDISATION OF MEDICAL ELECTRICAL EQUIPMENT	2309
-IONIZING ELECTROMAGNETIC RADIATION	STANDARDIZATION	2689
RESEARCH DATA ON THE	STANDARDIZATION OF EM FIELDS IN THE SHORT AND ULTRASHORT WAVE RANG	2555
DESIGN AND	STANDARDIZATION OF EXPOSURE SYSTEMS FOR RF AND MICROWAVE EXPERIMEN	0056
OWAVE AND RADIOFREQUENCY PROTECTION	STANDARDS	0106
HAZ) PROGRAM ON THE FORMULATION OF	STANDARDS	0461
NERGY--POTENTIAL HAZARDS AND SAFETY	STANDARDS	0534
IDELINES FOR THE DEVELOPMENT OF EMR	STANDARDS	0822
LISH MICROWAVE PERMISSIBLE EXPOSURE	STANDARDS	1012
ROWAVE RADIATION HAZARDS AND SAFETY	STANDARDS	1262
COMPARISON WITH PERSONNEL EXPOSURE	STANDARDS	2392
S STANDARDS AND ESTABLISHED FEDERAL	STANDARDS	2966
DED FOR SETTING OF REALISTIC SAFETY	STANDARDS	2981
DEVELOPMENT OF RADIATION PROTECTION	STANDARDS	3546
ROWAVE ATTENUATION MEASUREMENTS AND	STANDARDS	3571
EALTH STANDARDS; NATIONAL CONCENSUS	STANDARDS AND ESTABLISHED FEDERAL STANDARDS	2966
OTATED BIBLIOGRAPHY OF REGULATIONS,	STANDARDS AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION AND RAD	0597
SAFETY	STANDARDS AND REGULATIONS FOR HANDLING SOURCES OF HIGH, ULTRAHIGH,	3109
	STANDARDS AND REGULATIONS FOR THE PROTECTION OF LABOR DURING WORK	3077
CURRENT RADIO-FREQUENCY EMR SAFETY	STANDARDS AS APPLIED TO MOBILE AND PORTABLE TELECOMMUNICATIONS TRA	2474
ACTIVITIES OF THE AMERICAN NATIONAL	STANDARDS C95 COMMITTEE ON RADIO FREQUENCY RADIATION HAZARDS	2274
ION: BIOPHYSICAL CONSIDERATIONS AND	STANDARDS CRITERIA	1703
MITTANCE AND SCATTERING COEFFICIENT	STANDARDS EMPLOYING PRECISON AIR-DIELECTRIC COAXIAL LINES	3343
MICROWAVE MEASUREMENTS METHODS AND	STANDARDS FOR BIOLOGICAL RESEARCH AND HAZARDS SURVEYS	1550
PERFORMANCE	STANDARDS FOR ELECTRONIC EQUIPMENT AS THEY APPLY TO PERSONNEL EXPO	3526
PERFORMANCE AND SAFETY	STANDARDS FOR ELECTROSURGICAL DEVICES	1954
EVELOPMENT OF RADIOFREQUENCY SAFETY	STANDARDS FOR HUMAN EXPOSURE	0439
PROTECTION GUIDES AND	STANDARDS FOR MICROWAVE EXPOSURE	1603
EMISSION AND EXPOSURE	STANDARDS FOR MICROWAVE RADIATION	2380
	STANDARDS FOR MICROWAVE RADIATION	0365
BIOLOGICAL EFFECTS AND EXPOSURE	STANDARDS FOR NON-IONIZING EM ENERGIES	1658
	STANDARDS FOR PROTECTION OF PERSONNEL AGAINST NONIONIZING RADIATIO	0795
USAF EXPOSURE	STANDARDS FOR RADIOFREQUENCY/MICROWAVE HAZARDS CONTROL	2026
ON SETTING HYGIENE	STANDARDS FOR THE COMBINATION OF SHF AND X-RAYS	1451
HE NECESSITY FOR THE DEVELOPMENT OF	STANDARDS FOR THE USE OF SELECTED NONMEDICAL ELECTRONIC PRODUCTS F	0756
MICROWAVE RADIATION SAFETY	STANDARDS IN EASTERN EUR	0700
EPA'S ROLE IN	STANDARDS SETTING	3195
REGULATIONS,	STANDARDS , AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION, AND R	0562
MICROWAVE EXPOSURE SAFETY	STANDARDS--PHYSIOLOGIC AND PHILOSOPHIC ASPECTS	2992
NERGY--POTENTIAL HAZARDS AND SAFETY	STANDARDS	3217
N CONNECTORS AS ACCURATE IMMITTANCE	STANDARDS	3348
OCCUPATIONAL SAFETY AND HEALTH	STANDARDS ; NATIONAL CONCENSUS STANDARDS AND ESTABLISHED FEDERAL ST	2966
	STANDING WAVE METHODS FOR MEASURING PERMITTIVITIES AT METER AND DE	3536
INSECT TERATOGENESIS IN A	STANDING-WAVE IRRADIATION SYSTEM	2755
ACUTE	STAPHYLOCOCCAL INFECTIONS IN RABBITS IRRADIATED WITH 3-GHZ MICROWA	1082
GROWTH OF	STAPHYLOCOCCUS AUREUS IN A NULL MAGNETIC FIELD ENVIRONMENT	2495
THE INTERACTION OF	STATIC AND ALTERNATING ELECTRIC FIELDS WITH BIOLOGICAL SYSTEMS	3605
BIOLOGICAL EFFECTS OF	STATIC AND LOW FREQUENCY EM FIELDS: AN OVERVIEW OF UNITED STATES L	2393
MOTION OF PARAMECIUM IN	STATIC ELECTRIC AND MAGNETIC FIELDS	3489
THE EFFECT OF	STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS	2812
RNA IN DIOXANE AFTER APPLICATION OF	STATIC ELECTRIC FIELDS	0641
EFFECT OF	STATIC ELECTRICITY ON THE HUMAN ORGANISM UNDER THE CONDITIONS PREV	2076
PERCEPTION OF	STATIC FIELDS BY LIVING ORGANISMS AND TERATOGENIC EFFECTS OF MICRO	2830
OOD FLOW IN ARTERIES IN PRESENCE OF	STATIC MAGNETIC FIELD	0017
N POTENTIALS IN RABBITS IN A STRONG	STATIC MAGNETIC FIELD (IN RUSSIAN)	2081

LAR CHANGES IN RABBITS EXPOSED TO A	STATIC MAGNETIC FIELD OF 600 OE (IN JAPANESE)	0020
SOME POSSIBLE EFFECTS OF	STATIC MAGNETIC FIELDS ON CANCER	1836
MECHANISMS OF THE EFFECT OF	STATIONARY MAGNETIC FIELD ON INDUCED CARCINOGENESIS (IN RUSSIAN)	2594
S WITH CLOSE PROXIMITY TO BROADCAST	STATIONS	0108
F TELEVISION AND RADIO TRANSMITTING	STATIONS	0888
NVIRONMENTAL STUDIES IN RADIO-RELAY	STATIONS	1341
N TELEVISION AND RADIO BROADCASTING	STATIONS	1344
ON OF WORK AT RADIO AND TELEVISION	STATIONS	1436
AL LOCATION OF METEOROLOGICAL RADAR	STATIONS	1439
ES OF SELECTED RADIO AND TELEVISION	STATIONS	3497
DIATION FIELD DISTRIBUTION OF RADAR	STATIONS AT CIVIL AVIATION AIRPORTS	1438
IRONMENTAL CONDITIONS IN TELEVISION	STATIONS EMPLOYING NEW TRANSMITTER SYSTEMS	1342
ANGES IN WORKERS OF RADIOTELEVISION	STATIONS EXPOSED TO MICROWAVES (IN POLISH)	1621
A AND POWER STATISTICS: TELEVISION	STATIONS IN THE U.S.	3152
THE EFFECTS OF FM AND TV BROADCAST	STATIONS UPON CARDIAC PACEMAKERS	1654
ECTS OF TELEVISION AND FM BROADCAST	STATIONS UPON THE PERFORMANCE OF CARDIAC PACEMAKERS (PILOT STUDY)	3553
THE APPLE GROVE 750 KV PROJECT	STATISTICAL ANALYSIS OF AUDIBLE NOISE PERFORMANCE OF CONDUCTORS AT	3115
TIME AND AMPLITUDE	STATISTICS FOR ELECTROMAGNETIC NOISE IN MINES	3562
ANTENNA AND POWER	STATISTICS : TELEVISION STATIONS IN THE U.S.	3152
REQUENCY EM FIELD UPON HAEMOPOIETIC	STEM CELLS IN MICE	0735
EFFECT OF EMR ON THE HEMATOPOIETIC	STEM CELLS OF MICE	1075
AY FOR RECORDING FROM THE C.,T BRAIN	STEM DURING ILLUMINATION WITH UHF ENERGY	1037
BRAIN	STEM EVOKED RESPONSES ASSOCIATED WITH LOW-INTENSITY PULSED UHF ENE	1036
CHANGE IN IMPEDANCE OF THE NERVE	STEM OF A FROG UNDER THE ACTION OF VISIBLE LIGHT	3443
ON	STEM-CELL RECOVERY AFTER IRRADIATION	0843
SENSITIVITY THRESHOLDS OF WHEAT	STEMS AND ROOTS TO MAGNETIC FIELDS	0377
SPINAL CORD	STEREOTACTIC TECHNIQUES RE TRIGEMINAL NUCLEOTOMY AND EXTRALEMNISCA	3426
AL PROTOTYPE MACHINE FOR DRYING AND	STERILIZING PHARMACEUTICAL AMPOULES BY MICROWAVES AT 2.45 GHZ	1228
Y STALK BLOOD FROM FEMALE RATS: SEX	STEROID MODULATION OF RESPONSE TO ELECTRICAL STIMULATION OF PREOPT	0635
EFFECT OF MICROWAVES ON	STEROIDS PLASMA LEVELS IN MALE RATS	2788
THE INVISIBLE THREAT: THE	STIFLED STORY OF ELECTRIC WAVES	0315
ELECTRICAL	STIMUALTION OF RABBIT AND LAMB CARCASSES	1882
AUDITORY AND VISUAL SENSATIONS	STIMULATED BY LOW-FREQUENCY ELECTRIC CURRENTS	2760
INJURY FROM IMPLANTATION OF CHRONIC	STIMULATING ELECTRODES FOR PAIN CONTROL	1878
A STUDY OF THE FEASIBILITY OF	STIMULATING NEURONS BY ELECTROMAGNETIC WAVES	2554
SMODIC TORTICOLLIS BY DORSAL COLUMN	STIMULATION	0001
FUNCTIONAL ELECTRICAL	STIMULATION	0078
E HEAD: INDIRECT CALORIC VESTIBULAR	STIMULATION	0524
IS IN MUSCLE CULTURES BY ELECTRICAL	STIMULATION	0672
NS ASSOCIATED WITH ELECTROCUTANEOUS	STIMULATION	1245
DORSAL COLUMN	STIMULATION	1385
RSUS UNFILTERED RF ENERGY FOR NERVE	STIMULATION	1678
INAL GUINEA-PIG ILEUM TO ELECTRICAL	STIMULATION	1875
IGENIC (ALTERNATING MAGNETIC FIELD)	STIMULATION	2039
L SMOOTH MUSCLE TO ELECTRICAL FIELD	STIMULATION	2548
YRUS FOLLOWING BRIEF HIGH FREQUENCY	STIMULATION	2857
DERLY SUBJECTS CAUSED BY ELECTRICAL	STIMULATION	3402
SMODIC TORTICOLLIS BY DORSAL COLUMN	STIMULATION	3406
TOM LIMB PAIN TREATED BY ELECTRICAL	STIMULATION	3420
PECTS FOR USING INADEQUATE AUDITORY	STIMULATION (EXPERIMENTAL RESEARCH)	1487
DS OF PAIN MODULATION BY ELECTRICAL	STIMULATION (IN GERMAN)	1793
SURFACE ELECTRICAL	STIMULATION (TRANSCUTANEOUS) FOR THE RELIEF OF PAIN	1677
ELECTRICAL	STIMULATION AND OXYGEN TENSION	2234
DIENCEPHALIC	STIMULATION AND THE EFFECTS OF ECT IN ENDOGENOUS DEPRESSION	1652
TS OF ELECTRIC CURRENTS: ELECTRICAL	STIMULATION AND THERAPY	1682
RESULTS OF PERIPHERAL CONDITIONING	STIMULATION AS AN ANALGESIC MEASURE IN CHRONIC PAIN	0143
NERVE	STIMULATION BY IMPLANTED MICROWAVE DIODE	1494
EVIDENCE FOR THERMOACOUSIC AUDITORY	STIMULATION BY PULSED MICROWAVES	0477
BEHAVIORAL EFFECTS OF	STIMULATION BY UHF RADIO FIELDS	0471
TEM: RELATIONSHIP TO AVERSIVE BRAIN	STIMULATION EFFECTS	1955
PERCUTANEOUS CENTRAL GRAY	STIMULATION FOR CANCER PAIN	3421
ELECTRICAL SPINAL CORD	STIMULATION FOR SPASTIC MOVEMENT DISORDERS	3428
ELECTRICAL	STIMULATION FOR THE CONTROL OF PAIN	2647
CHRONIC PATEOCEREBELLAR	STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS	3414
ELECTRICAL	STIMULATION FOR VOIDING DYSFUNCTION AFTER SPINAL CORD INJURY	0009

ELECTRICAL BONE-GROWTH	STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION	2403
USE OF TRANSCUTANEOUS ELECTRICAL	STIMULATION IN THE CONTROL OF POSTOPERATIVE PAIN	1926
H AND REPAIR: A REVIEW OF DIFFERENT	STIMULATION METHODS	0158
EFFECTS OF ELECTRODE PLACEMENT ON	STIMULATION OF ADULT FROG LIMB REGENERATION	2239
ELECTRICAL	STIMULATION OF ARTICULAR CARTILAGE REGENERATION	2238
MECHANISM OF ELECTRICAL	STIMULATION OF BONE FORMATION	2242
S WITH LOW INTENSITY DIRECT CURRENT	STIMULATION OF BONE GROWTH	2779
ELECTRIC	STIMULATION OF BONE GROWTH AND REPAIR: A REVIEW OF DIFFERENT STIMU	0158
THE ELECTRICAL	STIMULATION OF BONE HEALING	0289
CLINICAL ASPECTS OF THE	STIMULATION OF BONE HEALING USING ELECTRICAL PHENOMENA	0288
	STIMULATION OF DOG THYROID BY LOCAL APPLICATION OF HIGH INTENSITY	2824
ELECTRICAL	STIMULATION OF HUMAN FRACTURE HEALING BY MEANS OF A SLOW PULSATING	2784
ITIATED THYMIDINE DURING ELECTRICAL	STIMULATION OF INDUCED CORTICAL BONE DEFECTS	2233
	STIMULATION OF IRRITABLE TISSUES BY MEANS OF AN ALTERNATING MAGNET	2111
L ELECTRICAL STIMULATOR FOR COMPLEX	STIMULATION OF LEG MUSCLES DURING WALKING	0094
MAGNETIC	STIMULATION OF NERVE TISSUE	2116
ELECTRICAL	STIMULATION OF OSTEOGENESIS IN PERIODONTAL DEFECTS	2774
AND HORMONAL RESPONSE TO MICROWAVE	STIMULATION OF PERIPHERAL NERVES	1540
L EFFECTS OF THERMODE AND MICROWAVE	STIMULATION OF PERIPHERAL NERVES	2513
ODULATION OF RESPONSE TO ELECTRICAL	STIMULATION OF PREOPTIC AREA OR MEDIAN EMINENCE	0635
ELECTRICAL	STIMULATION OF RNA AND PROTEIN SYNTHESIS IN THE FROG ERYTHROCYTE	1808
N SYNTHESIS INCREASED BY ELECTRICAL	STIMULATION OF SKELETAL MUSCLE CELL CULTURES	1017
	STIMULATION OF THE ADRENAL AXIS IN THE MICROWAVE EXPOSED RAT	1888
EFFECT OF ELECTRICAL	STIMULATION OF THE AUTONOMIC NERVE SUPPLY ON THE CONCENTRATION OF	1699
EFFECT OF LOW-FREQUENCY ELECTRIC	STIMULATION OF THE CAUDATE NUCLEUS ON THE CORTICAL ELECTRIC ACTIVI	1406
PAIN RELIEF BY ELECTRICAL	STIMULATION OF THE CENTRAL GRAY MATTER IN HUMANS AND ITS REVERSAL	2858
DIRECT CURRENT	STIMULATION OF THE GROWING DEER ANTLER	1834
AGE OF MICE ON THE EFFECTIVENESS OF	STIMULATION OF THE IMMUNE SYSTEM OF MICE BY ELECTRO-MAGNETIC RADIA	3424
CONSIDERATIONS FOR SAFE ELECTRICAL	STIMULATION OF THE NERVOUS SYSTEM WITH PLATINUM ELECTRODES	1907
ENCIES TO MECHANICAL AND ELECTRICAL	STIMULATION OF THE PROTOZOAN, SPIROSTOMUM AMBIGUUM	2475
ICULUS CELL RESPONSES TO ELECTRICAL	STIMULATION OF THE RETINA	2222
FUNCTIONAL	STIMULATION OF THE SPINAL CORD IN MULTIPLE SCLEROSIS	0069
EFFECTS OF ELECTRICAL	STIMULATION OF VAGAI NUCLEI IN ANESTHETIZED AND UNANESTHETIZED CAT	3405
EFFECTS OF ELECTRICAL	STIMULATION ON BONE GROWTH IN VITRO AND ON FRACTURE HEALING	2330
EFFECTS OF ELECTRICAL FIELD	STIMULATION ON ION TRANSPORT BY RABBIT ILEUM IN VITRO	2525
THE EFFECT OF ELECTRICAL	STIMULATION ON THE BIOPHYSICAL PROPERTIES OF FRACTURE HEALING	2241
T OF GRADUALLY MODULATED ELECTRICAL	STIMULATION ON THE PLASTICITY OF ARTIFICIALLY EVOKED MOVEMENTS	2861
EFFECTS OF FUSIMOTOR	STIMULATION ON THE SENSITIVITY OF THE MUSCLE SPINDLE SECONDARY END	2641
A PULSED ELECTRICAL	STIMULATION TECHNIQUE FOR INDUCING BONE GROWTH	2237
CALORIC VESTIBULAR	STIMULATION VIA UHF-MICROWAVE IRRADIATION	0609
	STIMULATION WITH AUTOMATIC RADIOFREQUENCY SYNCHRONIZATION AND PACI	3399
ELECTRICAL	STIMULATION WITH PT ELECTRODES: II--ESTIMATION OF MAXIMUM SURFACE	0973
	STIMULATION , BY PHYSICAL MEANS, OF THE DEFENSES OF THE MOUSE AND R	1773
ELECTROCUTANEOUS NERVE	STIMULATION-11 : STIMULUS WAVE-FORM SELECTION	0067
N WOUNDS IN DOGS BY ELECTROMAGNETIC	STIMULATION	0209
DIFFERENTIAL RESPONSE TO ELECTRICAL	STIMULATION : A DISTINCTION BETWEEN INDUCED OSTEOGENESIS IN INTACT	2773
PROGRAMMED SIX-CHANNEL ELECTRICAL	STIMULATOR FOR COMPLEX STIMULATION OF LEG MUSCLES DURING WALKING	0094
ELECTRONIC	STIMULATOR FOR THE AUTOMATIC DETERMINATION OF THE EXCITABILITY CYC	2334
S SYSTEM OF RATS SENSITIVE TO SONIC	STIMULI	1351
INHIBITION UNDER THE EFFECT OF WEAK	STIMULI	1990
NHANCED BONE HEALING VIA ELECTRICAL	STIMULI : COMPARATIVE EFFECTIVENESS OF VARIOUS PARAMETERS	2771
THE MAGNETIC FIELD--A STRANGE	STIMULUS	1553
FICATION OF INTERNAL DISCRIMINATIVE	STIMULUS CONTROL OF BEHAVIOR BY LOW LEVELS OF PULSED MICROWAVE RAD	2161
RANGES ON THE NERVOUS SYSTEM (SONIC	STIMULUS METHOD)	1350
CTROCUTANEOUS NERVE STIMULATION-11:	STIMULUS WAVE-FORM SELECTION	0067
THE LOG-NORMAL FUNCTION AS A	STOCHASTIC MODEL OF THE DISTRIBUTION OF STRONTIUM-90 AND OTHER FIS	3178
YS ON THE SECRETORY FUNCTION OF THE	STOMACH (IN RUSSIAN)	2701
ABSORPTIVE ACTIVITY OF	STOMACH AND INTESTINE UNDER THE INFLUENCE OF A UHF ELECTRIC FIELD	1856
CELLS AS SUBSTRATES FOR INFORMATION	STORAGE	2608
THE INVISIBLE THREAT: THE STIFLED	STORY OF ELECTRIC WAVES	0315
ULENCE OF AGROBACTERIUM TUMEFACIENS	STRAIN B6	0022
NCOLYSIS BY COLOSTRIDIUM BUTYRICUM (	STRAIN M 55) (IN GERMAN)	1806
IN ASPERGILLUS ORYZAE (AHLB.) COHN (	STRAIN OF MOSCOW STATE UNIVERSITY)	2828
E LIPID METABOLISM OF SEVERAL MOUSE	STRAINS	3404
IVITY AND AGONISTIC BEHAVIOR OF TWO	STRAINS OF MICE IN A 60-HERTZ EM FIELD	2038

CE FOR ELECTRICALLY INDUCED PARTIAL	STRAND SEPARATION OF DNA	2225
MICROWAVE THERAPY:	STRAY RADIATION, SAFETY AND EFFECTIVE- NESS	0427
OF CONTROLLED TEMPERATURE AND FIELD	STRENGTH	1686
TH CONTROLLED TEMPERATURE AND FIELD	STRENGTH	2728
IONS FOR MICROWAVE ANTENNAS + FIELD	STRENGTH AND POWER DENSITY METERS	3298
PROPAGATION OVER PLANE EARTH-FIELD	STRENGTH CURVES	3493
BIOLOGICAL EFFECTS OF HIGH	STRENGTH ELECTRIC FIELDS ON SMALL LABORATORY ANIMALS	0431
ELECTROMAGNETIC FIELD	STRENGTH FOR FREQUENCIES BELOW 1000 MHZ IN RADIO WAVE PROPAGATION	3561
HUMAN PERCEPTION OF MODERATE	STRENGTH LOW FREQUENCY MAGNETIC FIELDS	1657
HUMAN PERCEPTION OF MODERATE	STRENGTH LOW FREQUENCY MAGNETIC FIELDS	2813
ND MYOSIN FILAMENTS IN INTERMEDIATE	STRENGTH MAGNETIC FIELDS	2338
FIELD	STRENGTH MEASUREMENTS	3496
ELF FIELD	STRENGTH MEA: JREMENTS MADE IN CONNECTICUT DURING 1974	3138
REPORT ON MOBILE FIELD	STRENGTH MEASUREMENTS TAKEN WITH RECEIVING ANTENNA 10 FEET ABOVE G	3524
A MAGNETIC FIELD	STRENGTH METER EMPLOYING THE HALL EFFECT IN GERMANIUM	3307
PRINCIPLES AND PROCEDURES FOR FIELD	STRENGTH METERS (30 HZ TO 1 GHZ)	3494
S OF MEASUREMENTS OF ELECTRIC FIELD	STRENGTH NEAR A 765 KV OVERHEAD POWER TRANSMISSION LINE	3558
	STRENGTH OF EMISSIONS FROM CITIZENS RADIO SERVICE TRANSCEIVERS	3626
THE ELECTRICAL	STRENGTH OF LARGE AIR GAPS AND THE SELECTION OF LINE INSULATING CL	3591
MEASURING THE	STRENGTH OF THE MICROWAVE FIELD IN A CAVITY	3499
NEW STANDARD OF ELECTRIC FIELD	STRENGTH	3300
ENT OF ELECTRIC- AND MAGNETIC-FIELD	STRENGTHS FROM INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALE	0402
MENT OF ELECTRIC AND MAGNETIC FIELD	STRENGTHS FROM INDUSTRIAL RADIOFREQUENCY (15-40.68 MHZ) POWER SOUR	2210
CHANGES IN RADIOFREQUENCY E-FIELD	STRENGTHS WITHIN A HOSPITAL DURING A 16-MONTH PERIOD	1113
EATING ON PSEUDOMONAS PUTREFACIENS,	STREPTOCOCCUS FAECALIS AND LACTOBACILLUS PLANTARUM IN MEAT TISSUE	2693
OF 2,450-MEGAHERTZ MICROWAVES UPON	STREPTOCOCCUS FAECALIS AND SACCHAROMYCES CEREVISIAE	1920
IN MICE BY MICROWAVE HYPERTHERMIA.	STREPTOLYSIN S AND COLCEMIDE	2753
	STREPTOMYCIN RESORPTION FROM THE PLEURA UNDER THE EFFECT OF INDUCT	2599
OF THE HYPOPHYSEO-ADRENAL SYSTEM ON	STRESS ACTION OF THE ALTERNATING MAGNETIC FIELD (IN RUSSIAN)	2077
HEAT	STRESS DUE TO R. F. RADIATION	1524
ISTANT HAMPSHIRE PIGS TO ELECTRICAL	STRESS , I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS	0199
ISTANT HAMPSHIRE PIGS TO ELECTRICAL	STRESS , II. EFFECTS ON BLOOD CELLS AND BLOOD MINERALS	0144
RESPONSE OF STRESS-SUSCEPTIBLE AND	STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, I. PHYSIOLOG	0199
RESPONSE OF STRESS-SUSCEPTIBLE AND	STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, II. EFFECTS	0144
RESPONSE OF	STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRIC	0144
RESPONSE OF	STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRIC	0199
OENDORCRINE EFFECTS: THE CONCEPT OF	STRESS	0396
M WORK DURING THERMAL AND POLLUTANT	STRESS	2916
SPONSE TO MICROWAVE INDUCED THERMAL	STRESSES	0847
BIOMAGNETIC	STRESSOR EFFECTS IN PRIMATES	2108
PHYCHOGENIC	STRESSORS ARE POTENT MEDIATORS OF THE THERMAL RESPONSE TO MICROWAV	1251
NDING TO SMALL AMPLITUDE SINUSOIDAL	STRETCH	2641
DYNAMIC CHARACTERISTICS OF CRAYFISH	STRETCH RECEPTOR FOR MICROWAVE RADIATION (IN JAPANESE)	1948
SOFT TISSUE	STRETCHING WITH MAGNETS	3407
ND CHOLINE LEVELS IN THE RAT CORPUS	STRIATUM AFTER MICROWAVE IRRADIATION	1518
ED CONDUCTIVE DIELECTRIC SAMPLES IN	STRIPLINE	1646
	STRIPLINE TECHNIQUES IN THE STUDY OF MICROWAVE BIOLOGICAL EFFECTS	1213
HASTIC MODEL OF THE DISTRIBUTION OF	STRONTIUM-90 AND OTHER FISSION PRODUCTS IN HUMANS	3178
ND EM WAVES IN THE CELL AND CERTAIN	STRUCTURAL ELEMENTS OF THE CELL	2306
BIOLOGICAL RESEARCH: ELECTRICAL AND	STRUCTURAL MODIFICATIONS, CALORIMETRIC, DOSIMETRY, AND FUNCTIONAL	1713
	STRUCTURAL TRANSITION PRODUCED BY ELECTRIC FIELDS IN AQUEOUS SODIU	3211
O A MUSCLE-BONE MODEL OF BIOLOGICAL	STRUCTURE	1124
C STUDIES ON BIOPOLYMERS AND LIQUID	STRUCTURE (I)	1904
ENEOUS SPHERICAL MODEL OF A CRANIAL	STRUCTURE EXPOSED TO MICROWAVES DUE TO LOOP OR DIPOLE ANTENN	0052
MICROWAVE ABSORPTION AND MOLECULAR	STRUCTURE IN LIQUIDS IX. MEASUREMENT IN ORGANIC HALIDES AT 10-CM W	3344
FIELDS AND HEATING WITHIN A CRANIAL	STRUCTURE IRRADIATED BY AN EM PLANE WAVE	0717
A RAPID METHOD OF VISUALIZING THE	STRUCTURE OF AN EXTREMELY HIGH-FREQUENCY FIELD	1716
S OF MICROWAVES ON THE FUNCTION AND	STRUCTURE OF HEPATIC AND RENAL MITOCHONDRIA	1511
USES AS TOOLS FOR STUDYING CELLULAR	STRUCTURE)	0636
TRIBUTION, DIVERSITY, AND COMMONITY	STRUCTURE	0184
DO MICROWAVES ALTER NERVOUS SYSTEM	STRUCTURE ?	1062
OF DECIMETER WAVES ON CENTRAL BRAIN	STRUCTURES	0072
INTERACTION WITH MAMMALIAN CRANIAL	STRUCTURES	1226
ZED EM WAVES WITH MAMMALIAN CRANIAL	STRUCTURES	1243
YING HIGH-INTENSITY RADIATION FIELD	STRUCTURES	1708

FIELD OF OPEN 400-500 KV SWITCHING	STRUCTURES	3087
R AUTHORIZATING ERECTION OF SUPPORT	STRUCTURES AND CONDUCTORS (OPINION NO. 76-12)	3150
TION DENSITIES IN SPHEROIDAL TISSUE	STRUCTURES AND PHANTOM MODELS OF MAN EXPOSED TO HIGH FREQUENCY EM	1740
MIDDLE-EAR	STRUCTURES CONTRIBUTE LITTLE TO AUDITORY PERCEPTION OF MICROWAVES	0411
CTION OF DECIMETER WAVES ON CENTRAL	STRUCTURES OF THE BRAIN	2793
AND CHANGES IN ELEMENTARY EXCITABLE	STRUCTURES ON EXPOSURE TO VERY LOW INTENSITY IRRADIATION	1461
DROGENASE IN CELLS OF VARIOUS BRAIN	STRUCTURES UNDER THE EFFECT OF UHF FIELD OF LOW INTENSITY (IN RUSS	1399
LOGICAL HEALTH ATTITUDES OF COLLEGE	STUDENTS	3434
PY OF PAINFUL NEUROMAS OF EXTREMITY	STUMPS (IN RUSSIAN)	2845
TREATMENT OF DISEASES OF LIMB	STUMPS WITH MAGNETIC FIELD (IN RUSSIAN)	1631
	STYROFOAM CAGES FOR RATS USED IN MICROWAVE RESEARCH: COATING WITH	1009
	STYROFOAM CAGES FOR RATS USED IN MICROWAVE RESEARCH: COATING WITH	2904
I.M.P.I.	SUB-COMMITTEE ON THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION, IS	1739
NAVY RESEARCHERS DEVELOP NEW	SUB-MILLIMETER-WAVE POWER SOURCE	1661
MILLIMETER WAVE THERMOGRAPH AS	SUBCUTANEOUS INDICATOR OF JOINT INFLAMMATION	2411
ON HEART RATE, RESPIRATION RATE AND	SUBCUTANEOUS TEMPERATURE OF THE RABBIT	0921
TING EMISSION IN THE MILLIMETER AND	SUBMILLIMETER BANDS	2343
DETECTION OF MILLIMETER AND	SUBMILLIMETER EMISSION BY MEANS OF JOSEPHSON JUNCTIONS	2314
NTHERMAL EFFECTS OF MILLIMETER- AND	SUBMILLIMETER-BAND EMR ON BIOLOGICALLY ACTIVE COMPOUNDS	2307
THE MEASUREMENT OF	SUBSTATION GROUND RESISTANCE AND ITS USE IN DETERMING PROTECTION F	3117
ECTRIC FIELDS IN EXTRA HIGH VOLTAGE	SUBSTATIONS	1644
PROTECTION OF LABOR DURING WORK ON	SUBSTATIONS AND TRANSMISSION LINES AT VOLTAGES OF 400-, 500-, AND	3077
ENERGY EM PERTURBATION OF AN ENZYME	SUBSTRATE	0487
N THE EFFECT OF EM FIELD ON ENZYMIC	SUBSTRATES	2686
S OF MEMBRANES OF CEREBRAL CELLS AS	SUBSTRATES FOR INFORMATION STORAGE	2608
POSSIBLE PHYSICAL	SUBSTRATES FOR THE INTERACTION OF EM FIELDS WITH BIOLOGIC MEMBRANE	1064
INDUCED KINETIC EFFECTS ON CHARGED	SUBSTRATES IN LOCALIZED ENZYME SYSTEMS	1731
	SUBSURFACE PROBING BY MEASUREMENT OF THE WAVE TILT OF ELECTROMAGNE	3099
LEEP) ON STATE ANXIETY ACCORDING TO	SUGGESTIBILITY LEVELS	1236
CHANGES IN QUANTITY OF TOTAL	SULFHYDRYL GROUP IN THE BLOOD OF INDIVIDUALS EXPOSED TO SUPERHIGH-	1980
NEYS AFTER TREATMENT WITH DIMETHYL-	SULFOXIDE , FREEZING AT -80 DEGREES CELSIUS, AND THAWING BY MICROWA	2698
ENGLISH	SUMMARIES OF MICROWAVE BIOEFFECTS WORK	3007
MEDICAL WORKING GROUP	SUMMARY	0316
BIOMEDICAL AND ECOLOGICAL RESEARCH	SUMMARY	1431
E USE OF THE RADIO SPECTRUM, VOL 1,	SUMMARY	3161
PLENARY SESSION IV	SUMMARY 'THE LAST, LAST WORD'	0299
BIOLOGICAL AND ECOLOGICAL RESEARCH	SUMMARY (UPDATE)	1790
DIPOLES- A NEW HYPOTHESIS. PT 1: A	SUMMARY OF SOME REAL BUT UNEXPLAINED PHENOMENA	0141
A	SUMMARY OF THE ERMAC WORK SESSION ON NERVOUS SYSTEM AND BEHAVIORAL	1391
	SUMMARY OF THE ERMAN WORK SESSION ON NERVOUS SYSTEM AND BEHAVORIAL	3584
A	SUMMARY OF THE FEDERAL GOVERNMENT'S USE OF THE RADIO FREQUENCY SPE	3174
	SUMMARY OF THE RESEARCH PERFORMED AT THE U. OF CALIF	1468
RADIATION BIO-EFFECTS	SUMMARY REPORT JANUARY-DECEMBER 1967	3574
RADIATION BIO-EFFECTS	SUMMARY REPORT JANUARY-DECEMBER 1968	3575
RADIATION BIO-EFFECTS	SUMMARY REPORT JANUARY-DECEMBER 1970	3495
RADIOLOGICAL HEALTH RESEARCH	SUMMARY REPORT JULY 1965-DECEMBER 1966	3576
OF EM ENERGY ON THE ENVIRONMENT--A	SUMMARY REPT	0815
RADIATION BIO-EFFECTS	SUMMARY REPT., JAN.-DEC. 1968	0599
FREQUENCY (IN RUSSIAN WITH ENGLISH	SUMMARY)	0591
OMOLECULES (IN RUSSIAN WITH ENGLISH	SUMMARY)	1121
NSMITTERS OPERATING IN THE HF BAND (	SUMMARY)	3059
RDIAC PACEMAKER EMC IN PERSPECTIVE (	SUMMARY)	3061
DESCRIPTIVE	SUMMARY : RADIO-FREQUENCY RADIATION DOSIMETRY HANDBOOK	2735
OF THE ALBEDO ON THE HEIGHT OF THE	SUN AND ON CLOUDINESS	3452
GERMINATION AND EARLY GROWTH OF	SUNFLOWERS IN WEAK ELF EM FIELDS	1758
	SUPER-HIGH FREQUENCY ELECTRIC FIELD AND CRUSTACEAN GANGLIONIC DISC	1942
ISORDERS DURING CHRONIC EXPOSURE TO	SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS	2553
YNAMIC INDICES DURING THE ACTION OF	SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS	2560
ITY OF THE BODY UNDER THE EFFECT OF	SUPER-HIGH FREQUENCY EM FIELDS UNDER THE CONDITIONS OF DIFFERENT U	2715
EFFECT OF	SUPER-HIGH FREQUENCY EM IRRADIATION ON THE ELECTROPHORETIC MOBILIT	2593
THE EFFECT OF MEAT TREATED WITH	SUPER-HIGH FREQUENCY ENERGY INFRARED RAYS ON THE SECRETORY FUNCTIO	2701
THE EFFECT OF A	SUPER-HIGH FREQUENCY FIELD ON THE PHYSICAL TRAINING OF EXPERIMENTA	1869
THE INFLUENCE OF	SUPER-HIGH FREQUENCY PULSED ELECTROMAGNETIC FIELD ON CONCEPTION AN	2875
S IN THE EYES OF RABBITS EXPOSED TO	SUPER-HIGH FREQUENCY RADIATION	0963
ESSES IN BONE MARROW IN RESPONSE TO	SUPER-HIGH FREQUENCY RADIATION	1484

USE OF	SUPER-HIGH FREQUENCY TO HEAT UP DEEP-FROZEN ERYTHROCYTES (IN RUSSI	2723
EFFECTS OF	SUPER-HIGH-FREQUENCY RADIO CURRENT ON HEALTH OF MEN EXPOSED UNDER	0603
BRAIN'S ELECTRICAL ACTIVITY WITH A	SUPERCONDUCTING MAGNETOMETER	2101
TAKEN INSIDE A SHIELDED ROOM WITH A	SUPERCONDUCTING POINT-CONTACT MAGNETOMETER	2103
K MAGNETIC FIELDS DUE TO BIOLOGICAL	SUPERCONDUCTIVE JOSEPHSON JUNCTIONS?	2105
ZYME LIKELIHOOD OF ROOM TEMPERATURE	SUPERCONDUCTIVE REGIONS	1737
IDENCE FROM ACTIVATION ENERGIES FOR	SUPERCONDUCTIVE TUNNELING IN BIOLOGICAL SYSTEMS AT PHYSIOLOGICAL T	0458
	SUPERCONDUCTIVITY--A POSSIBLE MECHANISM FOR NON-THERMAL BIOLOGICAL	0665
GIENIC SIGNIFICANCE OF EM FIELDS OF	SUPERHIGH AND ULTRAHIGH FREQUENCIES IN DENSELY POPULATED AREAS	0889
ACTION OF EM FIELDS OF	SUPERHIGH FREQUENCIES ON ERYTHROCYTES PRESERVED AT LOW TEMPERATURE	1504
ING SOURCES OF HIGH, ULTRAHIGH, AND	SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELDS	3109
BIOLOGICAL ACTION OF	SUPERHIGH FREQUENCY ELECTROMAGNETIC WAVES	3252
OF A BODY EXPOSED TO INDUSTRIAL AND	SUPERHIGH FREQUENCY EM FIELDS	2806
THE EFFECTS OF	SUPERHIGH FREQUENCY EM FIELDS (SHF-EMF) ON THE BODY	1477
BIOLOGICAL ACTION OF	SUPERHIGH FREQUENCY EM WAVES	1483
PRODUCED ON THE ANIMAL ORGANISM BY	SUPERHIGH FREQUENCY EM WAVES AND A GAS MIXTURE WITH A LOW OXYGEN C	2029
YSTEM UNDER THE CHRONIC EFFECT OF A	SUPERHIGH FREQUENCY FIELD	1938
THE INTACT FROG DURING EXPOSURE TO	SUPERHIGH FREQUENCY FIELD	2809
EFFECTS OF	SUPERHIGH FREQUENCY FIELDS OF DIFFERENT INTENSITY ON THE BALANCE A	[illegible]505
EFFECT OF	SUPERHIGH FREQUENCY FIELDS OF HIGH INTENSITIES ON THE BLOOD COAGUL	1480
ECHNIQUES IN STUDYING THE EFFECT OF	SUPERHIGH FREQUENCY FIELDS ON BIOLOGICAL SUBJECTS	3064
SUBJECTED TO THE CHRONIC EFFECT OF	SUPERHIGH FREQUENCY IRRADIATION OF LOW INTENSITY	1481
L ACTIVITY OF LIVER MITOCHONDRIA ON	SUPERHIGH FREQUENCY RADIATION	1403
THE INFLUENCE OF	SUPERHIGH FREQUENCY RADIATION ON BRAIN MITOCHONDRIAL OXIDATIVE PHO	1404
TEM INJURY OF TISSUES AND ORGANS BY	SUPERHIGH RADIOFREQUENCIES (IN RUSSIAN)	2074
AGNETIC FIELD AND TO ULTRAHIGH- AND	SUPERHIGH-FREQUENCY EM FIELDS	1486
IVITY OF THE RABBIT BRAIN TO PULSED	SUPERHIGH-FREQUENCY EM FIELDS	1940
RESEARCH ON THE ACTION OF	SUPERHIGH-FREQUENCY EM WAVES ON EVOKED POTENTIALS OF AUDITORY CENT	1487
EX OF RABBITS AFTER THE ACTION OF A	SUPERHIGH-FREQUENCY FIELD	1185
SYSTEM DURING CHRONIC EXPOSURE TO A	SUPERHIGH-FREQUENCY FIELD	2013
THE COMBINED EFFECT OF	SUPERHIGH-FREQUENCY FIELDS AND ADVERSE MICROCLIMATE ON THE ORGANIS	1981
THE BLOOD OF INDIVIDUALS EXPOSED TO	SUPERHIGH-FREQUENCY GENERATORS	1980
TS OF ELECTROMAGNETIC ENERGY IN THE	SUPERHIGH-FREQUENCY RANGE ON CYTOCHEMICAL BLOOD INDICES	0061
D RADIO-FREQUENCY RADIATION, FOURTH	SUPPLEMENT	3594
ND RADIO-FREQUENCY RADIATION, FIFTH	SUPPLEMENT	3595
EIGHTH	SUPPLEMENT TO BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFE	0484
SEVENTH	SUPPLEMENT TO BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFE	3144
	SUPPLEMENT TO THE SANGUINE SYSTEM FINAL ENVIRONMENTAL IMPACT STATE	3612
SIXTH	SUPPLEMENT TO: BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFF	3622
AND INTEGRATION OF REPORT AND SEVEN	SUPPLEMENTS	0483
THYROID	SUPPRESSION AND ADRENOMEDULLARY ACTIVATION BY LOW-INTENSITY MICROW	1111
BEHAVIORAL	SUPPRESSION BY 383-MHZ RADIATION	1849
IMPROVED	SUPPRESSION OF RADIATION FROM AUTOMOBILES USED BY THE GENERAL PUBL	1303
EFFECT OF	SURFACE COOLING AND BLOOD FLOW ON THE EM HEATING OF TISSUE	2451
ROLE OF	SURFACE DIPOLES ON AXON MEMBRANE	0659
	SURFACE ELECTRICAL STIMULATION (TRANSCUTANEOUS) FOR THE RELIEF OF	1677
ECTRODES: II--ESTIMATION OF MAXIMUM	SURFACE REDOX (THEORETICAL NON-GASSING) LIMITS	0973
VARIOUS INSECTS MOVING ACROSS HARD-	SURFACE ROADS	0916
JACKRABBIT EARS:	SURFACE TEMPERATURES AND VASCULAR RESPONSES	2912
MICROWAVE RADIATION (MR) HEATING OF	SURFACE TUMORS	2322
OF THE WAVE TILT OF ELECTROMAGNETIC	SURFACE WAVES	3099
VARIATION IN THE	SURFACE-CHARGE DENSITY OF AN EXCITABLE NERVE MEMBRANE EXPOSED TO O	1839
AS AN ADJUNCTIVE TREATMENT IN ORAL	SURGERY	1807
S ADJUNCTIVE THERAPY FOLLOWING FOOT	SURGERY	1812
LE APPLICATION FOR NEONATAL CARDIAC	SURGERY	0203
OF FRACTURE REPAIR BY EM FIELDS. A	SURGICALLY NONINVASIVE METHOD	1050
A NON-OPERATIVE SALVAGE OF	SURGICALLY-RESISTANT PSEUDARTHROSES AND NON-UNIONS BY PULSING EM F	2373
MICROWAVE RADIATION-MEDICAL	SURVEILLANCE	2536
MICROWAVE HAZARDS	SURVEILLANCE AND CONTROL	0778
HEALTH	SURVEILLANCE OF MICROWAVE HAZARDS	0712
THE CONTINUING MEDICAL	SURVEILLANCE OF PERSONNEL EXPOSED TO EXTREMELY LOW FREQUENCY (ELF)	1214
HEALTH	SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PA	0796
HEALTH	SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PA	0797
HEALTH	SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PA	0798
OCULAR MEDICAL	SURVEILLANCE ON MICROWAVE AND LASER WORKERS	2112

RCE ALLOCATION FOR AN ENVIRONMENTAL	SURVEILLANCE SYSTEM	3188
A LIMITED MICROWAVE DIATHERMY FIELD	SURVEY	0759
MANS, PART II: RESULTS OF FIVE-YEAR	SURVEY	0925
RESULTS OF THE 1970 MICROWAVE OVEN	SURVEY	2034
DIATHERMY	SURVEY	2130
POWER LINE NOISE	SURVEY	3019
	SURVEY ARTICLE ON NIEMR RESONANCE PHENOMENA	0384
ICROWAVE HAZARD EVALUATION (A FIELD	SURVEY FORM)	3549
MICROWAVES: THE RESULTS OF A	SURVEY IN MANCHESTER	0298
E TIME IN THE NARDA 81100 MICROWAVE	SURVEY INSTRUMENT, BRH/DEP N71-2	3040
MICROWAVE	SURVEY INSTRUMENTATION	3184
UATION AND CALIBRATION OF MICROWAVE	SURVEY INSTRUMENTS	0058
RF RESPONSE OF RADIATION	SURVEY INSTRUMENTS	1286
UATION AND CALIBRATION OF MICROWAVE	SURVEY INSTRUMENTS	2205
OF MICROWAVE RADIATION ON TISSUE--A	SURVEY OF BASIC MECHANISMS	0820
OF MICROWAVE RADIATION ON TISSUE- A	SURVEY OF BASIC MECHANISMS	3204
	SURVEY OF DIATHERMY EQUIPMENT USE IN PINELLAS COUNTY, FLORIDA	3097
	SURVEY OF EFFECTS OF CONTINUOUS AND ALTERNATING LOW-FREQUENCY MAGN	0376
A FIELD	SURVEY OF FARMER EXPERIENCE WITH 765 KV TRANSMISSION LINES	3613
A BRIEF	SURVEY OF LITERATURE RELATING TO THE INFLUENCE OF LOW INTENSITY MI	2512
	SURVEY OF MICROWAVE ABSORPTION CHARACTERISTICS OF BODY TISSUES	1573
E ELECTRIC FIELDS: BIBLIOGRAPHY AND	SURVEY OF ONGOING WORK, 1975	2252
AN ECOLOGICAL	SURVEY OF PLANTS EXPOSED TO ELF EM FIELDS	1772
L HAZARDS OF MICROWAVE RADIATION: A	SURVEY OF PUBLISHED LIT	0940
	SURVEY OF RADIO FREQUENCY RADIATION HAZARDS	3466
	SURVEY OF RADIO FREQUENCY RADIATION HAZARDS	3541
	SURVEY OF RADIO FREQUENCY RADIATION HAZARDS	3572
	SURVEY OF RADIO FREQUENCY RADIATION HAZARDS	3573
A	SURVEY OF RESIDENTIAL AND COMMMERCIAL MICROWAVE OVENS IN ORANGE CO	0683
	SURVEY OF SELECTED INDUSTRIAL APPLICATION OF MICROWAVE ENERGY	0613
	SURVEY OF SELECTED INDUSTRIAL APPLICATIONS OF MICROWAVE ENERGY, BR	3029
PILOT	SURVEY OF SMALL MAMMAL POPULATIONS IN THE CHEQUAMEGON NATIONAL FOR	1751
UENCY INTERMITTENT MAGNETIC FIELDS (	SURVEY OF THE LITERATURE)	2135
10 GHZ) ELECTROMAGNETIC ENVIRONMENT	SURVEY OF U.S.A. URBAN AREAS	3153
	SURVEY OF USE AND PERFORMANCE OF ULTRASONIC THERAPY EQUIPMENT IN P	0638
ND MILLIMETER-WAVE THERMOGRAPHY - A	SURVEY ON TUMOR DETECTION	0229
A MEDICAL X-RAY	SURVEY PACKET	2958
MICROWAVE OVEN	SURVEY RESULTS IN ARKANSAS DURING 1970	0710
UNDERSTANDING MICROWAVE LEAKAGE AND	SURVEY TECHNIQUES	0773
T OF RF-PROPERTIES OF MATERIALS - A	SURVEY	3313
FOR BIOLOGICAL RESEARCH AND HAZARDS	SURVEYS	1550
PILOT ECOLOGICAL FIELD	SURVEYS	1750
FOR EXPLORATORY FAA FIELD INTENSTIY	SURVEYS	1952
RESULTS OF CLINICAL	SURVEYS FOR MICROWAVE OCULAR EFFECTS (DHEW-FDA 73-8031)	2967
EQUIPMENT	SURVEYS FOR RF RADIATION HAZARDS	0775
EXPLORATORY FIELD INTENSITY	SURVEYS NEAR FAA TRANSMITTING ANTENNAS	1953
TUMOR CURE AND CELL	SURVIVAL AFTER LOCALIZED RADIOFREQUENCY HEATING	2120
THE EFFECT OF HYPERTHERMIA ON	SURVIVAL IN TRANSPLANTED LYMPHOSARCOMA	0019
	SURVIVAL OF CANINE KIDNEYS AFTER TREATMENT WITH DIMETHYL- SULFOXID	2698
	SURVIVAL OF CLOSTRIDIUM PERFRINGENS ON CHICKEN COOKED WITH MICROWA	2497
	SURVIVAL OF MICROBIAL FILMS IN THE MICROWAVE OVEN	3425
PERATURE AND AIR VOLUME EXCHANGE ON	SURVIVAL OF RATS EXPOSED TO MICROWAVE RADIATION OF 24,000 MEGACYCL	0469
	SURVIVAL PERIODS OF RATS INJECTED WITH ACETYLCHOLINE, EPINEPHRINE,	0355
GTH FIELDS (155 AND 191 MHZ) ON THE	SURVIVAL RATE AND TEMPERATURE REACTION OF TEST ANIMALS	1354
TERATOLOGY,	SURVIVAL , AND REVERSAL LEARNING AFTER FETAL IRRADIATION OF MICE BY	1805
TERATOLOGY,	SURVIVAL , AND REVERSAL LEARNING AFTER THE TIME OF DEATH AND TOTAL	2882
	SURVIVAL	0201
ARE MOUSE FETUSES WHICH	SURVIVE MICROWAVE RADIATION PERMANENTLY AFFECTED THEREBY?	1247
INTEGRATED CIRCUIT ELECTROMAGNETIC	SUSCEPTIBILITY INVESTIGATION - PHASE III	3139
INVESTIGATIONS ON THE	SUSCEPTIBILITY OF ANIMALS TO MICROWAVE (MW) IRRADIATION FOLLOWING	1460
	SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO 60 HZ MAGNETIC FIELDS	2271
	SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS	1754
E FOR COOPERATIVE MECHANISMS IN THE	SUSCEPTIBILITY OF CEREBRAL TISSUE TO ENVIRONMENTAL AND INTRINSIC E	1383
EM	SUSCEPTIBILITY OF HEART PACEMAKERS TEST RESULTS	2296
RF	SUSCEPTIBILITY OF MICROELECTRONIC COMPONENTS	1197

SAE COMMITTEE AE-4 ELECTROMAGNETIC	SUSCEPTIBILITY TEST PROGRAM ON HEART PACEMAKERS	2272
HUMAN	SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS	2485
NE FOR ELECTROMAGNETIC INTERFERENCE	SUSCEPTIBILTY TESTING	3513
N AND IDENTIFICATION OF POTENTIALLY	SUSCEPTIBLE POPULATION GROUPS	3557
EMPHASIS ON THE EFFECT OF DIFFERENT	SWEAT MODELS	2191
ANCE OF POWER LINE AND HIGH VOLTAGE	SWITCHYARD ENVIRONMENTS	3171
RIC FIELD OF OUTDOOR 400 AND 500 KV	SWITCHYARDS	3586
HE ELECTRIC FIELD IN 500 AND 750 KV	SWITCHYARDS ON MAINTENANCE STAFF AND MEANS FOR ITS PROTECTION	3076
CTRIC ACTIVITY OF NEUROMUSCULAR AND	SYM- PATHETIC SYSTEMS DURING EXPOSURE TO A STEADY MAGNETIC FIELD	0426
ECTS OF HUMAN VERSUS TERRESTRIAL EM	SYMBIOSIS	2173
FREQUENCY RADIATION HAZARD WARNING	SYMBOL	3627
ACTIONS OF THE HORMONAL LINK OF THE	SYMPATHO-ADRENAL SYSTEM TO SINGLE EXPOSURE TO AN ALTERNATING MAGNE	1230
I AND BIO-RADIO SCIENCE: A HELSINKI	SYMPOSIUM	3397
INTERNATIONAL	SYMPOSIUM ON 'BIOLOGICAL EFFECTS OF MICROWAVES AND HEALTH HAZARD'	1512
EVALUATION OF THE INTERNATIONAL	SYMPOSIUM ON BIOLOGIC EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADI	1688
INTERNATIONAL	SYMPOSIUM ON BIOLOGIC EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADI	3069
	SYMPOSIUM ON BIOLOGICAL EFFECTS AND HEALTH IMPLICATIONS OF MICROWA	0722
PROCEEDINGS OF THE	SYMPOSIUM ON EHV AC POWER TRANSMISSION HELD BY THE JOINT AMERICAN-	3155
ATIONAL ELECTROMAGNETIC COMPABILITY	SYMPOSIUM RECORD	2982
REDUCTION OF DENTAL POSTSURGICAL	SYMPTOMS USING NONTHERMAL PULSED HIGH-PEAK-POWER EM ENERGY	1810
ON OF THE FUNCTIONAL STATE OF BRAIN	SYNAPSES IN RABBITS EXPOSED CHRONICALLY TO THE ACTION OF MICROWAVE	1947
LONG LASTING	SYNAPTIC POTENTIATION IN THE RAT DENTATE GYRUS FOLLOWING BRIEF HIG	2857
DIELECTRIC PROPERTIES OF	SYNAPTOSOMES ISOLATED FROM RAT BRAIN CORTEX	1933
ATION WITH AUTOMATIC RADIOFREQUENCY	SYNCHRONIZATION AND PACING IN THE LONG-TERM TREATMENT OF HYPERKINE	3399
TUMOR	SYNCHRONIZATION BY MICROWAVES (IN GERMAN)	1188
	SYNCHRONIZATION OF CORTICAL NEURONS BY A PULSED MICROWAVE FIELD AS	1061
	SYNCOPAL ATTACKS ARISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN	2004
THE RADIOWAVE	SYNDROME	0303
TY IN PATIENTS WITH THE CLIMACTERIC	SYNDROME DURING THE TREATMENT BY PULSE CURRENT (IN RUSSIAN)	1409
OF CHILDREN WITH MONGOLISM (DOWN'S	SYNDROME)	2035
PARENTAL RADIATION AND DOWN'S	SYNDROME , WITH PARTICULAR ATTENTION TO IONIZING RADIATION AND RADA	0223
PARENTAL FACTORS IN DOWN'S	SYNDROME--RESULTS OF THE SECOND BALTIMORE CASE-CONTROL STUDY	1950
CLINICAL	SYNDROMES ARISING UNDER THE EFFECT OF VARIOUS RADIO FREQUENCY BAND	2007
INVESTIGATION OF AN ASSUMED	SYNERGISTIC EFFECT OF RADIO FREQUENCY RADIATION AND IONIZING RADIA	0228
AVE RADIATION AND CHLORDIAZEPOXIDE:	SYNERGISTIC EFFECTS ON FIXED INTERVAL BEHAVIOR	0103
	SYNOPSIS OF ELECTRICAL PATIENT SAFETY	2278
PTION OF RADIOPHOSPHORUS ACROSS THE	SYNOVIAL MEMBRANE OF THE KNEE JOINT UNDER THE INFLUENCE OF SINUSOI	2045
NEURONAL MEMBRANE: A PHYSICAL	SYNTHESIS	2611
OF ELECTROSTATIC FIELD ON ANTIBODY	SYNTHESIS (IN RUSSIAN)	2229
UTORADIOGRAPHIC ANALYSIS OF PROTEIN	SYNTHESIS AND MEASUREMENTS ON NUCLEAR VOLUME IN WISH CELL CULTURES	1328
S OF 2450 MHZ MICROWAVES ON PROTEIN	SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMSTERS	2507
MEMBRANE-BOUND ATP	SYNTHESIS GENERATED BY AN EXTERNAL ELECTRIC FIELD	0671
DECREASE OF ACETYLCHOLINE RECEPTOR	SYNTHESIS IN MUSCLE CULTURES BY ELECTRICAL STIMULATION	0672
ICAL STIMULATION OF RNA AND PROTEIN	SYNTHESIS IN THE FROG ERYTHROCYTE	1808
MYOSIN	SYNTHESIS INCREASED BY ELECTRICAL STIMULATION OF SKELETAL MUSCLE C	1017
	SYNTHESIS OF FREQUENCY RESPONSE OF ELECTRIC FIELD PROBES	2217
ELECTROCONVULSIVE SHOCK THERAPY ON	SYNTHESIS TURNOVER AND UPTAKE OF BRAIN MONOAMINES	1893
ND CONSTRUCTION OF AN EM NEAR-FIELD	SYNTHESIZER	0958
OPMENT OF AN RF NEAR-FIELD EXPOSURE	SYNTHESIZER (10 TO 40 MHZ)	1845
SOLAR POWER SATELLITE TRANSMISSION	SYSTEM	0113
F A SOLENOID ON THE CENTRAL NERVOUS	SYSTEM	0727
N OF ENZYMES IN THE CENTRAL NERVOUS	SYSTEM	1034
TION: EFFECTS OF EMR ON THE NERVOUS	SYSTEM	1056
D VHF FIELDS ON THE CENTRAL NERVOUS	SYSTEM	1060
OF MICROWAVE EFFECTS ON THE NERVOUS	SYSTEM	1063
H A CROSSED-BEAM EXPOSURE-DETECTION	SYSTEM	1083
WAVE EFFECTS ON THE CENTRAL NERVOUS	SYSTEM	1249
WAVE RADIATION ON THE HEMATOPOIETIC	SYSTEM	1278
TABOLISM OF THE RETICULO-HISTOCYTIC	SYSTEM	1280
ARIOUS AREAS OF THE CENTRAL NERVOUS	SYSTEM	1348
ASE ACTIVITY IN THE CENTRAL NERVOUS	SYSTEM	1353
OTHALAMIC-HYPOPHYSIS-ADRENAL CORTEX	SYSTEM	1447
NTENSITIES ON THE BLOOD COAGULATION	SYSTEM	1480
UENCY ENERGY ON THE CENTRAL NERVOUS	SYSTEM	1538
EFFECTS OF EM FIELDS ON THE NERVOUS	SYSTEM	1582

ONS MEDIUM: A PROTEIN TRANSRECEIVER	SYSTEM		1670
SOTROPIC ELECTRIC FIELD MEASUREMENT	SYSTEM		1744
ITH THE NAVY SEAFARER COMMUNICATION	SYSTEM		1885
EM PROBE WITH FIBER OPTIC TELEMETRY	SYSTEM		1930
F MICROWAVES ON THE CENTRAL NERVOUS	SYSTEM		1945
IVITY OF THE RABBIT CENTRAL NERVOUS	SYSTEM		1946
MICRO WAVES ON THE CENTRAL NERVOUS	SYSTEM		1994
ELD ON THE FUNCTIONS OF THE NERVOUS	SYSTEM		2025
TROL OF A RADIOFREQUENCY INDUSTRIAL	SYSTEM		2055
NISM OF ATMOSPHERICS IN THE NERVOUS	SYSTEM		2126
CAL OBSERVATIONS ON CENTRAL NERVOUS	SYSTEM		2170
N THE RESPONSES OF WHITE BLOOD CELL	SYSTEM		2318
S ON TISSUES OF THE CENTRAL NERVOUS	SYSTEM		2552
S OF EM ENERGIES ON THE HEMATOLOGIC	SYSTEM		2614
NCY ON THE HUMAN AND ANIMAL NERVOUS	SYSTEM		2711
ESIS IN A STANDING-WAVE IRRADIATION	SYSTEM		2755
CTROMAGNETIC PULSE (EMP) ON A POWER	SYSTEM		3074
N FOR AN ENVIRONMENTAL SURVEILLANCE	SYSTEM		3188
FFECTIONS OF THE PERIPHERAL NERVOUS	SYSTEM		3451
G A CROSSED BEAM EXPOSURE/DETECTION	SYSTEM		3555
EMELY LOW PRE- QUENCY COMMUNICATION	SYSTEM	(A BIBLIOGRAPHY W/ABSTRACTS)	0331
IN INDUSTRY ON THE CENTRAL NERVOUS	SYSTEM	(EEG DATA)	1426
NT OF WATER IN THE HOT WATER SUPPLY	SYSTEM	(IN RUSSIAN)	2603
ASURED BY MEANS OF A RADIOFREQUENCY	SYSTEM	(RADIOCOR) DESIGNED FOR IMPLANTATION IN SERIES WITH ANY KIN	2078
ENT RADIOWAVE RANGES ON THE NERVOUS	SYSTEM	(SONIC STIMULUS METHOD)	1350
MICROWAVE RADIATION ON THE NERVOUS	SYSTEM	AND BEHAVIOR	0895
ON EFFECTS UPON THE CENTRAL NERVOUS	SYSTEM	AND BEHAVIOR REACTIONS	0277
F THE ERMAC WORK SESSION ON NERVOUS	SYSTEM	AND BEHAVIORAL EFFECTS OF NONIONIZING EM RADIATIONS	1391
F THE ERMAN WORK SESSION ON NERVOUS	SYSTEM	AND BEHAVORIAL EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIA	3584
THE CARDIOVASCULAR	SYSTEM	AS AFFECTED BY EXPOSURE TO MICROWAVE RADIATION	0063
THE CARDIOVASCULAR	SYSTEM	AS AFFECTED BY OCCUPATIONAL FACTORS	0062
ICROWAVE EFFECTS ON CENTRAL NERVOUS	SYSTEM	ATTRIBUTED TO THERMAL FACTORS	2388
SANGUINE	SYSTEM	BIOLOGICAL/ECOLOGICAL RESEARCH PROGRAM	3075
NERVOUS	SYSTEM	CHANGES IN WORKERS OF RADIOTELEVISION STATIONS EXPOSED TO M	1621
US OF THE NAVY'S ELF COMMUNICATIONS	SYSTEM	CONCEPT	1667
POWER	SYSTEM	DISTURBANCES DURING A K-8 GEOMAGNETIC STORM: AUGUST 4, 197	3107
CHANGES IN THE BLOOD	SYSTEM	DURING CHRONIC EXPOSURE TO A SUPERHIGH-FREQUENCY FIELD	2013
NAL STATUS OF THE HYPOPHYSEOGONADAL	SYSTEM	DURING EXPOSURE OF THE ORGANISM TO EM FIELDS WITH DIFFERENT	1401
ENDOCRINE AND CENTRAL NERVOUS	SYSTEM	EFFECTS OF MICROWAVE EXPOSURE	1600
CROWAVES (RADAR) ON CENTRAL NERVOUS	SYSTEM	EXCITABILITY IN LAB. ANIMALS	0637
FACT SHEET FOR THE SANGUINE	SYSTEM	FINAL ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH, DEVELOPM	2283
SUPPLEMENT TO THE SANGUINE	SYSTEM	FINAL ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH, DEVELOPM	3612
MICROWAVE EXPOSURE	SYSTEM	FOR BIOLOGICAL SPECIMENS	1495
A	SYSTEM	FOR CHRONIC BLOOD PRESSURE MEASUREMENT IN DOGS EXPOSED TO E	0865
AN AUTOMATED MEASUREMENT	SYSTEM	FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSIT	1717
AN AUTOMATED MEASUREMENT	SYSTEM	FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSIT	3094
A	SYSTEM	FOR DEVELOPING MICROWAVE INDUCED HYPERTHERMIA IN SMALL ANIM	2454
A	SYSTEM	FOR DEVELOPING MICROWAVE-INDUCED HYPERTHERMIA IN SMALL ANIM	2922
A MICROWAVE HEATING	SYSTEM	FOR IMPROVING TEMPERATURE UNIFORMITY IN HEATED TISSUE	0238
A NEW	SYSTEM	FOR INVESTIGATING NONTHERMAL EFFECT OF MICROWAVES ON CELLS	2209
USE OF A BACTERIOPHAGE	SYSTEM	FOR INVESTIGATING THE BIOLOGICAL EFFECTS OF LOW INTENSITY P	0790
A MICROWAVE DOSIMETRY	SYSTEM	FOR MEASURED SAMPLED INTEGRAL-DOSE RATE	0805
TECHNICAL NOTE: A MULTI-CHANNEL	SYSTEM	FOR MICROWAVE HEATING OF TISSUES	0422
A MICROWAVE EXPOSURE	SYSTEM	FOR PRIMATES	2741
A	SYSTEM	FOR QUANTITATIVE CHRONIC EXPOSURE OF A POPULATION OF RODENT	1693
NONMETALLIC ELECTRODE	SYSTEM	FOR RECORDING EEG AND ECG IN ELECTROMAGNETIC FIELDS	1163
VARIABLE FREQUENCY EXPOSURE	SYSTEM	FOR SMALL BIOLOGICAL SPECIMENS	1265
SIBILITY OF FOCUSED MICROWAVE ARRAY	SYSTEM	FOR TUMOUR IRRADIATION	0296
CTRICAL FIELD ON THE BLOOD CLOTTING	SYSTEM	IN ANIMALS (IN RUSSIAN)	2226
AVE EFFECTS ON THE CENTRAL NERVOUS	SYSTEM	IN EXPERIMENTAL ANIMALS	1250
MICROWAVES (2450 MHZ) ON THE IMMUNE	SYSTEM	IN MICE. II. FUNCTIONAL STUDIES	2350
ER RADIO WAVES ON THE NEURO-HUMORAL	SYSTEM	IN RATS	0292
THE ROLE OF THE NERVOUS	SYSTEM	IN REACTIONS TO UHF EM FIELDS	0525
WARDS A MODEL OF THE ELECTROSENSORY	SYSTEM	IN THE FISH	0612
ARTICIPATION OF THE CENTRAL NERVOUS	SYSTEM	IN THE REGULATION OF CARBOHYDRATE METABOLISM IN ANIMALS EXP	2327

ION OF A HELICAL FRAME OF REFERENCE	SYSTEM	IN THE SPECIAL THEORY OF RELATIVITY	0424
DIGESTIVE	SYSTEM	IN WORKERS EXPOSED TO THE EFFECTS OF UHF EM FIELDS	1515
GICAL DATA TRANSMISSION AND CONTROL	SYSTEM	INFLUENCED BY ELECTRICAL FORCES	1049
ANALYSIS OF CENTRAL NERVOUS	SYSTEM	INVOLVEMENT IN THE MICROWAVE AUDITORY EFFECT	1047
VE EXPOSURES ON THE CENTRAL NERVOUS	SYSTEM	OF BEAGLES	2510
VE IRRADIATION ON THE BLOOD FORMING	SYSTEM	OF GUINEA PIGS AND RABBITS	0622
ENT MAGNETIC FIELD ON HEMATOPOIETIC	SYSTEM	OF INTACT AND TUMOR-BEARING ANIMALS	0102
VENESS OF STIMULATION OF THE IMMUNE	SYSTEM	OF MICE BY ELECTRO-MAGNETIC RADIATION	3424
X-IRRADIATION DAMAGE OF HEMOPOIETIC	SYSTEM	OF MICE BY MICROWAVES	2801
RADIATION CONDITIONS ON THE NERVOUS	SYSTEM	OF PERSONS WORKING WITHIN THE REACH OF MICROWAVES	2008
IRRADIATION ON THE CENTRAL NERVOUS	SYSTEM	OF RABBITS AND GUINEA PIGS	1492
TERATION OF THE BLOOD-BRAIN BARRIER	SYSTEM	OF RATS	2015
EFFECT OF RADIOWAVES ON THE NERVOUS	SYSTEM	OF RATS SENSITIVE TO SONIC STIMULI	1351
F MICROWAVES ON THE CENTRAL NERVOUS	SYSTEM	OF THE PRIMATE	3408
ROWAVE RADIATION ON THE HEMOPOIETIC	SYSTEM	OF THE RAT	2005
ENCY (RADAR) ON THE CENTRAL NERVOUS	SYSTEM	OF THE WHITE RAT. ELECTROCORTICOGRAPHICAL MODIFICATIONS (IN	2628
REACTION OF THE HYPOPHYSEO-ADRENAL	SYSTEM	ON STRESS ACTION OF THE ALTERNATING MAGNETIC FIELD (IN RUSS	2077
HUMAN AUDITORY	SYSTEM	RESPONSE TO LOWER POWER DENSITY, PULSE MODULATED, EM ENERGY	1135
HUMAN AUDITORY	SYSTEM	RESPONSE TO MODULATED EM ENERGY	1031
AUDITORY	SYSTEM	RESPONSE TO RADIO FREQUENCY ENERGY	1035
CENTRAL N ERVOUS	SYSTEM	RESPONSES TO MICROWAVE-INDUCED HEATING	2430
DO MICROWAVES ALTER NERVOUS	SYSTEM	STRUCTURE?	1062
RTIONS OF THE HUMAN CENTRAL NERVOUS	SYSTEM	TO 'SAFE' LEVELS OF MICROWAVE RADIATION	1929
	SYSTEM	TO DETECT AND TREAT CANCER, USING MICROWAVES FOR BOTH TASKS	0409
A FREE-SPACE FOCUSED MICROWAVE	SYSTEM	TO DETERMINE THE COMPLEX PERMITTIVITY OF MATERIALS TO TEMPE	3341
OF RESPONSES OF THE CENTRAL NERVOUS	SYSTEM	TO ELECTROMAGNETIC FIELDS	2480
THE DESCRIPTION OF A	SYSTEM	TO IRRADIATE CELLS IN CULTURE WITH MICROWAVES	2673
RESPONSE OF THE NERVOUS	SYSTEM	TO MICROWAVE RADIATION	2484
RMONAL LINK OF THE SYMPATHO-ADRENAL	SYSTEM	TO SINGLE EXPOSURE TO AN ALTERNATING MAGNETIC FIELD	1230
REACTION OF THE ENDOCRINE	SYSTEM	TO THE EFFECT OF EM FIELD OF INDUSTRIAL FREQUENCY (50 HZ)	2031
THE DISRUPTION OF THE ENDOCRINE	SYSTEM	UNDER THE CHRONIC EFFECT OF A SUPERHIGH FREQUENCY FIELD	1938
STATE OF THE BLOOD	SYSTEM	UNDER THE INFLUENCE OF SHF FIELDS OF VARIOUS INTENSITIES AN	1442
RF CELL CULTURE IRRADIATION	SYSTEM	WITH CONTROLLED TEMPERATURE AND FIELD STRENGTH	2728
ROWAVE EFFECTS ON THE BLOOD-FORMING	SYSTEM	WITH PARTICULAR REFERENCE TO THE LYMPHOCYTE	1074
ECTRICAL STIMULATION OF THE NERVOUS	SYSTEM	WITH PLATINUM ELECTRODES	1907
LECTROCHEMICAL INFORMATION TRANSFER	SYSTEM	, PART I: EFFECT OF ELECTRIC FIELDS ON LIVING ORGANISMS	0696
DS ON THE MAMMALIAN CENTRAL NERVOUS	SYSTEM		0211
THERMIA USING AN INVASIVE MICROWAVE	SYSTEM		0226
ERTHERMIA TREATMENT AND THERMOMETRY	SYSTEM		0425
NETIC FIELDS ON THE CENTRAL NERVOUS	SYSTEM		3070
REACTIONS OF THE WHITE BLOOD CELLS	SYSTEM		3255
DAR EMANATIONS ON THE HAMATOPOIETIC	SYSTEM		3319
EQUENCY RADIATION ALTERS THE IMMUNE	SYSTEM	: MODULATION OF IN VIVO LYMPHOCYTE MIGRATION BY WHOLE-BODY H	0253
EQUENCY RADIATION ALTERS THE IMMUNE	SYSTEM	: MODULATION OF T-AND B-LYMPHOCYTE LEVELS AND CELL- MEDIATED	0171
TONIC RETICULAR ACTIVATING	SYSTEM	: RELATIONSHIP TO AVERSIVE BRAIN STIMULATION EFFECTS	1955
COAXIAL AIR LINE MICROWAVE EXPOSURE	SYSTEM	: RESPIRATORY ACTIVITY OF MITOCHONDRIA IRRADIATED AT 2-4 GHZ	2175
OF 'ELECTRIC RAY' OVEN EXPOSURE ON	SYSTEMIC	LUPUS ERYTHEMATOSUS	2012
AND MICROWAVE RADIATION WITH LIVING	SYSTEMS		0109
M MILITARY COMMUNICATIONS AND RADAR	SYSTEMS		0311
TING MICROWAVE BIOLOGICAL- EXPOSURE	SYSTEMS		0446
TS OF RADIO FREQUENCY IN BIOLOGICAL	SYSTEMS		0492
AVE RADIATION ON VARIOUS BIOLOGICAL	SYSTEMS		0704
THE VITAL ACTIVITIES OF BIOLOGICAL	SYSTEMS		0763
MPACT OF RADAR IRRADIATION ON HUMAN	SYSTEMS		0857
H SELECTIVITY BY ELECTRICAL FISHING	SYSTEMS		0934
FIELD EFFECTS IN SELECTED BIOLOGIC	SYSTEMS		1053
ONIZING EMR ON SINGLE-CELL BIOLOGIC	SYSTEMS		1086
MICROWAVE RADIATION ON EMBRYO CELL	SYSTEMS		1090
UMORS AND TISSUE EQUIVALENT PHANTOM	SYSTEMS		1116
F MICROWAVE RADIATION IN BIOLOGICAL	SYSTEMS		1175
INTERACTION OF EM FIELDS AND LIVING	SYSTEMS		1254
STATIONS EMPLOYING NEW TRANSMITTER	SYSTEMS		1342
FREQUENCY RADIATION WITH BIOLOGICAL	SYSTEMS		1523
FREQUENCY RADIATION WITH MOLECULAR	SYSTEMS		1533
MICROWAVE ABSORPTION IN BIOLOGICAL	SYSTEMS		1535

FIELDS PRODUCED BY COMMERCIAL POWER	SYSTEMS		1665
LITY OF COMMUNICATION IN BIOLOGICAL	SYSTEMS		1669
REMELY LOW FREQUENCY COMMUNICATIONS	SYSTEMS		1683
ON CHARACTERISTICS OF TRAFFIC RADAR	SYSTEMS		1702
QUENCY ELECTRIC FIELD IN BIOLOGICAL	SYSTEMS		1726
RGED SUBSTRATES IN LOCALIZED ENZYME	SYSTEMS		1731
MICROWAVE RADIOMETRY OF BIOLOGICAL	SYSTEMS		1748
EM FIELD INTERACTION WITH MOLECULAR	SYSTEMS		2424
ELECTRIC INTERACTIONS OF BIOLOGICAL	SYSTEMS		2426
ADIOFREQUENCY RADIATION WITH LIVING	SYSTEMS		2476
IQUID, BUFFERED, AND ALCOHOLIC FOOD	SYSTEMS		2498
CONTROLLED EM ENERGY ON BIOLOGICAL	SYSTEMS		2506
IN EM INTERACTIONS WITH BIOLOGICAL	SYSTEMS		2543
TROMAGNETIC RADIATION ON BIOLOGICAL	SYSTEMS		2569
AL INFLUENCES ON LIMBIC AND RELATED	SYSTEMS		2607
MICROWAVE RADIOMETRY OF BIOLOGICAL	SYSTEMS		2829
450 RADIATION ON VARIOUS BIOLOGICAL	SYSTEMS		2939
ISING OUR SIGHTS FOR ADVANCED SPACE	SYSTEMS		3146
F ELECTRIC FIELDS ON ELECTRIC POWER	SYSTEMS		3156
GN OF MILLIMETER WAVE COMMUNICATION	SYSTEMS		3456
GY DENSITIES OF MICROWAVE RADIATING	SYSTEMS		3459
PERFORMANCE OF PULSE-DOPPLER RADAR	SYSTEMS		3512
ING ELECTRIC FIELDS WITH BIOLOGICAL	SYSTEMS		3605
EM FIELDS AND BIOLOGICAL	SYSTEMS	(IN JAPANESE)	2141
THE CARDIOVASCULAR AND RESPIRATORY	SYSTEMS	(IN RUSSIAN)	2079
RADIATION IN RELATION TO BIOLOGICAL	SYSTEMS	AND NEURAL ACTIVITY	3603
USTIC EFFECTS IN MAMMALIAN AUDITORY	SYSTEMS	AND PHYSICAL MATERIALS	1072
T ELECTRIC VIBRATIONS IN BIOLOGICAL	SYSTEMS	AND THE CANCER PROBLEM	0042
DIAGNOSTIC X-RAY	SYSTEMS	AND THEIR MAJOR COMPONENTS	3003
OF SELECTED SATELLITE COMMUNICATION	SYSTEMS	AS SOURCES OF ENVIRONMENTAL MICROWAVE RADIATION	1284
OF SELECTED SATELLITE COMMUNICATION	SYSTEMS	AS SOURCES OF ENVIRONMENTAL MICROWAVE RADIATION	3237
RCONDUCTIVE TUNNELING IN BIOLOGICAL	SYSTEMS	AT PHYSIOLOGICAL TEMPERATURES	0458
OF NEUROMUSCULAR AND SYM- PATHETIC	SYSTEMS	DURING EXPOSURE TO A STEADY MAGNETIC FIELD	0426
IGN AND STANDARDIZATION OF EXPOSURE	SYSTEMS	FOR RF AND MICROWAVE EXPERIMENTATION	0056
DEVELOPMENT OF EHV AND UHV	SYSTEMS	IN THE USSR	3582
IENT OF REFLECTION FOR MULTILAYERED	SYSTEMS	OF BIOLOGICAL TISSUES IN THE MICROWAVE RANGE	0605
OWAVE INTERACTION WITH THE AUDITORY	SYSTEMS	OF HUMANS AND CATS	1046
ROMAGNETIC WAVES ON SOME ORGANS AND	SYSTEMS	OF MAN (IN RUSSIAN)	0319
TRANSMISSION	SYSTEMS	OF ONE MILLION VOLTS TESTED	3011
CHANGES IN FUNCTIONS OF VARIOUS	SYSTEMS	OF THE ORGANISM UNDER EXPOSURE TO HIGH-INTENSITY MICROWAVE	2257
CHANGES IN FUNCTIONS OF VARIOUS	SYSTEMS	OF THE ORGANISM UNDER THE INFLUENCE OF LOW-INTENSITY MICRO	2260
RY: THEIR APPLICATION TO BIOLOGICAL	SYSTEMS	UNDER MICROWAVE RADIATION EXPOSURE	2291
VE RADIATION ABSORBED BY BIOLOGICAL	SYSTEMS	, 1, ANALYSIS OF HEATING AND COOLING DATA	2729
VE RADIATION ABSORBED BY BIOLOGICAL	SYSTEMS	, 2, ANALYSIS BY DEWAR-FLASK CALORIMETRY	2730
IVITY IN THREE DIFFERENT BIOLOGICAL	SYSTEMS		0159
ASSOCIATED WITH ELF COMMUNICATIONS	SYSTEMS		0394
ROM SENSORMATIC ELECTRONIC SECURITY	SYSTEMS		0407
EFFECTS IN BIOLOGICAL MATERIALS AND	SYSTEMS		3215
NGE DISPERSION FORCES BETWEEN LARGE	SYSTEMS		3254
-FIELD INTERACTIONS WITH BIOLOGICAL	SYSTEMS	: ELECTRICAL PROPERTIES AND BIOPHYSICAL MECHANISMS	0393
ELECTROMAGNETIC FIELDS AND BIOLOGIC	SYSTEMS	: MOLECULAR MECHANISMS	3269
MAN IN A GAS	TACHYON	MAGNETOELECTRIC DIPOLES - A NEW HYPOTHESIS. PT III: DEVELO	0123
MAN IN A GAS OF	TACHYON	MAGNETOELECTRIC DIPOLES-	0122
MAN IN A GAS	TACHYON	MAGNETOLECTRIC DIPOLES- A NEW HYPOTHESIS. PT 1: A SUMMARY	0141
	TADPOLE	METAMORPHOSIS	0868
ENT OF DIELECTRIC CONSTANT AND LOSS	TANGENT		3446
EFFECT OF A WEAK MAGNETIC FIELD ON	TARAXACUM	OFFICINALE	0941
P BETWEEN TYPICAL SOURCES AND HUMAN	TARGETS		0504
CROWAVE INTERROGATION OF DIELECTRIC	TARGETS	BY MICROWAVE TIME DELAY SPECTROSCOPY	3410
CROWAVE INTERROGATION OF DIELECTRIC	TARGETS	BY SCATTERING PARAMETERS	3413
EM OSCILLATIONS IN ASSOCIATION WITH	TASHKENT	MINERAL WATER ON THE PANCREATIC FUNCTION IN PATIENTS WITH	1835
NSE RELATIONSHIPS ON TWO BEHAVIORAL	TASKS		1092
T CANCER, USING MICROWAVES FOR BOTH	TASKS		0409
MICROWAVE ABSORPTION AND	TASTE	AVERSION AS A FUNCTION OF 915 MHZ RADIATION	2660
CONDITIONED	TASTE	AVERSIONS IN THE RAT INDUCED BY A SINGLE EXPOSURE TO MICROWA	2444

FACTORS AFFECTING THE RELEASE OF	TAURINE FROM CAT BRAIN: THE ELECTRICAL EFFECTS OF TAURINE ON NORMA	1517
AT BRAIN: THE ELECTRICAL EFFECTS OF	TAURINE ON NORMAL AND SEIZURE PRONE CORTEX	1517
INFLUENCE OF	TECHNICAL ALTERNATING ELECTRIC FIELD OF HIGH TENSION ON THE ORGANI	2600
SOME	TECHNICAL ASPECTS OF MICROWAVE RADIATION HAZARDS	0542
MAN-MADE NOISE, REPORT TO	TECHNICAL COMMITTEE OF THE ADVISORY COMMITTEE FOR LAND MOBILE RADI	2956
PROCEEDINGS OF A MEETING TO DISCUSS	TECHNICAL CONSIDERATIONS IN THE MEASUREMENT AND EVALUATION OF RADI	3053
PROCEEDINGS OF THE	TECHNICAL COORDINATION CONFERENCE ON EMR BIOLOGICAL EFFECTS, JULY	0758
BIOLOGICAL EFFECTS OF	TECHNICAL ELECTRIC AND EM VLF FIELDS	2124
E OF ALTERNATING ELECTRIC FIELDS OF	TECHNICAL FREQUENCY ON CHICKEN EMBRYOS	2351
	TECHNICAL MANUAL FOR RADIO-FREQUENCY RADIATION HAZARDS	0590
	TECHNICAL NOTE: A MULTI-CHANNEL SYSTEM FOR MICROWAVE HEATING OF TI	0422
DIGEST OF	TECHNICAL PAPERS	3093
URCES WITH MOBILE ANTENNAS: CERTAIN	TECHNICAL PROBLEMS	0882
LOGICAL IMPLICATIONS (A THESIS--ONR	TECHNICAL REPORT NO. 37)	3054
FINAL	TECHNICAL REPORT ON RESEARCH PROJECT TO STUDY RADIATION HAZARDS CA	2979
FINAL	TECHNICAL REPT. ON RESEARCH PROJECT O STUDY RADIATION HAZARDS CAUS	1424
FINAL	TECHNICAL REPT. ON RESEARCH PROJECT TO STUDY RADIATION HAZARDS CAU	1425
USE OF THE RADIO SPECTRUM, VOL II,	TECHNICAL , SOCIAL, ECONOMIC AND ADMINISTRATIVE FACTORS	3162
LENTICULAR OPACITIES OCCURRING IN A	TECHNICIAN OPERATING A MICROWAVE GENERATOR	0600
ETERAN RADAR REPAIR AND MAINTENANCE	TECHNICIANS	1066
INSTRUMENTS FOR TELEVISION. SERVICE	TECHNICIANS - BRH/DEP 70-14	3055
E RADIATION USING THE COOLING CURVE	TECHNIQUE	1820
VE DOSIMETRY USING A LIQUID CRYSTAL	TECHNIQUE	2963
DIATHERMY MEASUREMENT	TECHNIQUE	3465
A BOLUSING	TECHNIQUE FOR BATCH MICROWAVE IRRADIATION OF TUMORS IN THE FAR FIE	2453
A FINITE ELEMENT	TECHNIQUE FOR CALCULATING INDUCED INTERNAL FIELDS AND POWER DEPOSI	2670
	TECHNIQUE FOR DERIVING ELECTROGRAMS OF THE HEART OF THE INTACT FRO	2809
NOVEL	TECHNIQUE FOR DETERMINING THE RELATIVE PERMITTIVITY OF SOLIDS AT M	3539
MICROWAVE BOLUSING: A	TECHNIQUE FOR IMPROVING HEATING UNIFORMITY FOR MICROWAVE HYPERTHER	2528
A PULSED ELECTRICAL STIMULATION	TECHNIQUE FOR INDUCING BONE GROWTH	2237
A TIME-DOMAIN	TECHNIQUE FOR MEASUREMENT OF THE DIELECTRIC PROPERTIES OF BIOLOGIC	2836
A NEW	TECHNIQUE FOR MEASURING POWER DEPOSITION PATTERNS IN PHANTOMS EXPO	1192
	TECHNIQUE FOR REDUCING THE AMBIENT ELECTRIC FIELD GENERATED BY IND	1210
A	TECHNIQUE FOR RELATIVE ABORPTION CROSS-SECTION DETERMINATION	3317
MICROWAVE IRRADIATION: A NEW RAPID	TECHNIQUE FOR SEPARATING EPIDERMAL TISSUE FROM MOUSE SKIN PRESERVI	2825
FOCUSSED MICROWAVE RADIATION: A	TECHNIQUE TO MINIMIZE POST MORTEM CHANGES OF CYCLIC NUCLEOTIDES, D	1326
E RADIATION USING THE COOLING CURVE	TECHNIQUE	3256
A WIDE RANGE CW POWER MEASUREMENT	TECHNIQUE	3302
POWER DENSITY USING POWER EQUATION	TECHNIQUES	0057
ANDING MICROWAVE LEAKAGE AND SURVEY	TECHNIQUES	0773
PLING TO HUMANS USING MOMENT METHOD	TECHNIQUES	2186
ACEMAKER TESTING CONSIDERATIONS AND	TECHNIQUES	2273
ROBLEMS OF DOSIMETRY AND DOSIMETRIC	TECHNIQUES	2428
ION BASED ON FREQUENCY PERTURBATION	TECHNIQUES	2936
ION METHOD USING THE POWER EQUATION	TECHNIQUES	3625
	TECHNIQUES + INSTRUMENTATION FOR THE MEAS OF RF POWER DENSITIES AS	3305
SPECIFICATIONS FOR	TECHNIQUES AND INSTRUMENTATION FOR EVALUATING RADIO-FREQUENCY HAZA	3460
	TECHNIQUES AND INSTRUMENTATION FOR THE MEASUREMENT OF POTENTIALLY	0616
SOME	TECHNIQUES AND THEIR LIMITATIONS AS RELATED TO THE MEASUREMENT OF	3346
VELOPMENT OF PROBES AND MEASUREMENT	TECHNIQUES FOR AUTOMATED INTERFERENCE MEASUREMENTS (3 TO 300 MEGAH	3619
ELECTRIC PROPERTIES AND MEASUREMENT	TECHNIQUES FOR BIOMOLECULES	1735
NEW	TECHNIQUES FOR IMPLEMENTING MICROWAVE BIOLOGICAL- EXPOSURE SYSTEMS	0446
INSTRUMENTATION	TECHNIQUES FOR MEASURING THE EFFECTS OF ELECTRIC AND MAGNETIC FIEL	1674
ELECTROMAGNETIC	TECHNIQUES FOR MEDICAL DIAGNOSIS: A REVIEW	0391
NEW	TECHNIQUES FOR MICROWAVE RADIATION HAZARD MONITORING	0539
	TECHNIQUES FOR PRODUCING STANDARD EM FIELDS FROM 10 KHZ TO 10 GHZ	0251
USE OF MICROWAVE	TECHNIQUES FOR THE DETERMINATION OF BOUND WATER	3207
	TECHNIQUES FOR UNIFORM AND REPLICABLE MICROWAVE HYPERTHERMIA OF A	0046
	TECHNIQUES IN MICROWAVE AND RADIOFREQUENCY HEATING OF TISSUES	2699
NEW MEASUREMENT	TECHNIQUES IN STUDYING THE EFFECT OF SUPERHIGH FREQUENCY FIELDS ON	3064
STRIPLINE	TECHNIQUES IN THE STUDY OF MICROWAVE BIOLOGICAL EFFECTS ON ISOLATE	1213
SPINAL CORD STEREOTACTIC	TECHNIQUES RE TRIGEMINAL NUCLEOTOMY AND EXTRALEMNISCAL MYELOTOMY	3426
MICROWAVE RADIOMETRIC	TECHNIQUES : A MEANS TO EXPLORE THE POSSIBLILITY OF COMMUNICATION I	1669
AND OTHER REMOTE MEDICAL MONITORING	TECHNIQUES : A REVIEW	2726
EALTH EFFECTS OF TELECOMMUNICATIONS	TECHNOLOGY	0550

ERAPY, DETECTION AIDED BY MICROWAVE	TECHNOLOGY		1172
INT U. S. ARMY/GEORGIA INSTITUTE OF	TECHNOLOGY		3218
	TECHNOLOGY	ASSESSMENT AND MICROWAVE DIODES	2961
	TECHNOLOGY	FOR THE HYPERTHERMIC TREATMENT OF LARGE SOLID TUMOURS A	2694
OINT U.S. ARMY/GEORGIA INSTITUTE OF	TECHNOLOGY	MICROWAVE DOSIMETRY WORKSHOP, JUNE 1972	3057
ASSESSMENT OF CURRENT HYPERTHERMIA	TECHNOLOGY		0128
R ROLE OF THE VENTRAL MESENCEPHALIC	TEGMENTUM		1871
URON ANALYSIS OF THE HUMAN MIDBRAIN	TEGMENTUM		3394
LESION OF THE VENTRAL MESENCEPHALIC	TEGMENTUM	: NEUROLOGICAL AND BEHAVIORAL CONSIDERATIONS	0835
QUENCY EMR FROM PORTABLE AND MOBILE	TELECOMMUNICATION	TRANSMITTERS	2718
LE OF THE DEPARTMENT OF COMMERCE IN	TELECOMMUNICATIONS		2985
. T. WHITEHEAD, DIRECTOR, OFFICE OF	TELECOMMUNICATIONS	POLICY	3000
SSMENT OF ADVERSE HEALTH EFFECTS OF	TELECOMMUNICATIONS	TECHNOLOGY	0550
S AS APPLIED TO MOBILE AND PORTABLE	TELECOMMUNICATIONS	TRANSMITTERS	2474
PASSIVE	TELEMETRY	FOR IN VIVO MEASUREMENT OF FIELDS IN BIOLOGICAL MATERIAL	1144
HEALTH HAZARDS FROM	TELEMETRY	RF EXPOSURE? A REVIEW ON THE INTERACTIONS BETWEEN EM FIE	2027
A REPT. ON A BIOMEDICAL	TELEMETRY	STANDARD FOR EMERGENCY MEDICAL COMMUNICATIONS	1427
EM PROBE WITH FIBER OPTIC	TELEMETRY	SYSTEM	1930
THE EFFECTS OF	TELEVISION	AND FM BROADCAST STATIONS UPON THE PERFORMANCE OF CARDI	3553
TRA-SHORT-WAVE TRANSMITTERS USED IN	TELEVISION	AND RADIO BROADCASTING	2556
D TO EM ULTRA-SHORT WAVE SOURCES IN	TELEVISION	AND RADIO BROADCASTING STATIONS	1344
BLOOD PROTEINS IN PERSONNEL OF	TELEVISION	AND RADIO TRANSMITTING STATIONS	0888
E FIELDS IN THE VICINITIES OF URBAN	TELEVISION	CENTERS	1440
	TELEVISION	FIELD INTENSITIES AT THE UNIVERSITY OF CALIFORNIA, SAN	3552
WITHIN VARIOUS DISTANCES FROM 1361	TELEVISION	MARKET CENTERS	3498
ATION AND RADIATION FROM LASERS AND	TELEVISION	RECEIVERS	0597
TION, AND RADIATION FROM LASERS AND	TELEVISION	RECEIVERS--AN ANNOTATED BIBLIOGRAPHY	0562
OUS DISTANCES OF SELECTED RADIO AND	TELEVISION	STATIONS	3497
OF THE ENVIRONMENTAL CONDITIONS IN	TELEVISION	STATIONS EMPLOYING NEW TRANSMITTER SYSTEMS	1342
ANTENNA AND POWER STATISTICS:	TELEVISION	STATIONS IN THE U.S.	3152
MAKER FUNCTION IN THE VICINITY OF A	TELEVISION	TRANSMITTER	2004
RADIO AND	TELEVISION	TRANSMITTERS AND LIVING ENVIRONMENT	0086
MPLE X-RAY DETECTOR INSTRUMENTS FOR	TELEVISION	. SERVICE TECHNICIANS - BRH/DEP 70-14	3055
ESH MAMMALIAN BRAIN TISSUES AT BODY	TEMPERATURE		1282
EXPOSURE TO MICROWAVES AND HIGH AIR	TEMPERATURE		1455
ES ON ERYTHROCYTES PRESERVED AT LOW	TEMPERATURE		1504
CT LENS FOR MEASUREMENTT OF CORNEAL	TEMPERATURE		3062
OF THERMOCOUPLES FOR MEASURING BODY	TEMPERATURE		3457
EFFECTS OF ENVIRONMENTAL	TEMPERATURE	AND AIR VOLUME EXCHANGE ON SURVIVAL OF RATS EXPOSED TO	0469
THE EFFECT OF ENVIRONMENTAL	TEMPERATURE	AND AVERAGE DOSE RATE OF MICROWAVE RADIATION ON THE OX	0369
CANCER TREATMENT VIA INTRACELLULAR	TEMPERATURE	AND BIOPHYSICAL ALTERATIONS	0076
PH FOR SIMULTANEOUS AND INDEPENDENT	TEMPERATURE	AND EMISSIVITY MEASUREMENTS	0255
BRAIN	TEMPERATURE	AND ENZYME HISTOCHEMISTRY AFTER HIGH INTENSITY MICROWA	0853
ELDS UNDER CONDITIONS OF CONTROLLED	TEMPERATURE	AND FIELD STRENGTH	1686
IRRADIATION SYSTEM WITH CONTROLLED	TEMPERATURE	AND FIELD STRENGTH	2728
A MODIFIED RADIOMETER FOR	TEMPERATURE	AND MICROWAVE PROPERTIES MEASUREMENTS OF BIOLOGICAL SU	2410
CONSTANT OF WATER AS A FUNCTION OF	TEMPERATURE	AND PRESSURE	3200
F MICROWAVE IRRADIATION ON INTERNAL	TEMPERATURE	AND VIABILITY IN MICE	1579
EFFECT UPON AIRBORNE ANTENNA NOISE	TEMPERATURE	AT UHF	3177
	TEMPERATURE	CHANGES GENERATED BY MICROWAVE THERAPY IN THE THIGHS O	1157
NON-CONTACT DETERMINATION OF	TEMPERATURE	CHANGES IN MICE DURING MICROWAVE IRRADIATION	1695
	TEMPERATURE	CONTROLLED CAVITY APPLICATOR FOR RADIO- FREQUENCY WAVE	0256
A VERSATILE	TEMPERATURE	CONTROLLED EXPOSURE CHAMBER FOR MICROWAVE BIOEFFECTS R	1283
	TEMPERATURE	DEPENDENCE OF THE MICROWAVE PROPERTIES OF AQUEOUS SOLU	0172
ATION OF ELECTROMAGNETIC ENERGY AND	TEMPERATURE	DISTRIBUTION IN A MICROWAVE IRRADIATED BREAST CANCINOM	0295
	TEMPERATURE	DISTRIBUTION IN A SPHERE WITH LOCAL COOLING	3286
	TEMPERATURE	DISTRIBUTION IN LOCALIZED CURRENT FIELD HYPERTHERMIA-	0359
	TEMPERATURE	DISTRIBUTION PRODUCED IN MODELS BY THREE MICROWAVE APP	0911
	TEMPERATURE	DISTRIBUTION WITH MICROWAVE HEATING FOR A TWO-LAYER MO	0626
	TEMPERATURE	DISTRIBUTIONS AS PRODUCED BY MICROWAVES IN SPECIMENS U	3545
	TEMPERATURE	DISTRIBUTIONS IN NORMAL AND NEOPLASTIC TISSUES DURING	0188
	TEMPERATURE	DISTRIBUTIONS INDUCED BY 2450 MHZ MICROWAVE RADIATION	1816
A COMPARATIVE EVALUATION OF	TEMPERATURE	DISTRIBUTIONS PRODUCED BY MICROWAVES AT 2,456 AND 900	3328
ELECTRODE FOR MEASUREMENT OF BRAIN	TEMPERATURE	DURING MICROWAVE EXPOSURE	2383
S PRODUCED BY MICROWAVE HEATING AND	TEMPERATURE	GRADIENTS	2529

ERIPHERAL CIRCULATION AND ON TISSUE	TEMPERATURE IN MAN	0481
REGULATION OF BODY	TEMPERATURE IN MAN	2914
A PROBE FOR MEASURING	TEMPERATURE IN RADIO-FREQUENCY-HEATED MATERIAL	1649
FIELDS ON MUSCLE OXYGEN TENSION AND	TEMPERATURE IN RATS ADAPTED TO HYPOXIA	0378
MICROWAVE RADIATION ON BEHAVIOR AND	TEMPERATURE IN RHESUS MONKEYS	2158
AVE RADIOMETRIC MEASUREMENTS OF THE	TEMPERATURE INSIDE A BODY	2414
MICROWAVE IRRADIATION AND AMBIENT	TEMPERATURE INTERACT TO ALTER RAT BEHAVIOR FOLLOWING OVERNIGHT EXP	0417
	TEMPERATURE MEASUREMENT IN MICROWAVE DIATHERMY FIELDS: PRINCIPLES	2459
	TEMPERATURE MEASUREMENT IN TISSUE DURING IRRADIATION	1103
ABSORBED RADIO-FREQUENCY POWER AND	TEMPERATURE MEASUREMENTS	0139
THERMAL DOSIMETRY AND	TEMPERATURE MEASUREMENTS	0038
A NON CONTACT	TEMPERATURE MONITOR FOR THE AUTOMATIC CONTROL OF MICROWAVE OVENS	2201
OF PROBE IN CALORIMETRIC AND TISSUE	TEMPERATURE MONITORING APPLICATIONS	2539
OPERANT BEHAVIOR AND COLONIC	TEMPERATURE OF SQUIRREL MONKEYS (SAIMIRI SCIUREUS) DURING MICROWAV	0921
, RESPIRATION RATE AND SUBCUTANEOUS	TEMPERATURE OF THE RABBIT	2890
EFFECTS OF PROLONGED HIGH	TEMPERATURE ON TESTICULAR DEVELOPMENT AND FERTILITY IN THE MALE RA	2762
THE EFFECT OF AMBIENT	TEMPERATURE ON THE REDUCTION OF MICROWAVE ENERGY ABSORPTION BY MIC	1723
YSTAL FIBEROPTIC RF PROBES, PART 1:	TEMPERATURE PROBE FOR M/W FIELDS	1749
LIQUID CRYSTAL FIBEROPTIC	TEMPERATURE PROBE FOR THE MEASUREMENT OF EM POWER ABSORPTION IN TI	0265
THERMOGRAPHIC COMPARISON OF	TEMPERATURE PROBES USED IN MICROWAVE DOSIMETRY STUDIES	0250
	TEMPERATURE PROFILES IN SPHERES DUE TO ELECTROMAGNETIC HEATING	3135
ES AT WATER DROPS OVER THE FREEZING	TEMPERATURE RANGE	1354
D 191 MHZ) ON THE SURVIVAL RATE AND	TEMPERATURE REACTION OF TEST ANIMALS	0607
	TEMPERATURE REACTION OF THE SKIN DURING IRRADIATION WITH MICRO-WAV	1459
THE DEPENDENCE OF THE	TEMPERATURE RESPONSE TO MICROWAVE IRRADIATION ON THE INITIAL FUNCT	0016
POTENTIAL	TEMPERATURE RISE INDUCED BY ELECTROMAGNETIC FIELD IN BRAIN TISSUES	1271
MICROWAVE INDUCED	TEMPERATURE RISES IN RABBIT EYES IN CATARACT RESEARCH	1819
A NONPERTURBING	TEMPERATURE SENSOR FOR MEASUREMENTS IN EM FIELDS	1737
CTS IN AN ENZYME LIKELIHOOD OF ROOM	TEMPERATURE SUPERCONDUCTIVE REGIONS	0238
ROWAVE HEATING SYSTEM FOR IMPROVING	TEMPERATURE UNIFORMITY IN HEATED TISSUE	0120
RANGE ON MICE. BODY WEIGHT, RECTAL	TEMPERATURE , RESPIRATION, ACTIVITY IN RUUNNING WHEEL, PERCEPTION R	0070
CROWAVES WITHIN MICE:WEIGHT, RECTAL	TEMPERATURE , RESPIRATION, TREAD MILL ACTIVITY, REACTION OF SENSES,	2548
THE	TEMPERATURE-DEPENDENCE OF RESPONSES OF ESOPHAGEAL SMOOTH MUSCLE TO.	0220
SITY MICROWAVES ON RAT HYPOTHALAMIC	TEMPERATURES	0458
BIOLOGICAL SYSTEMS AT PHYSIOLOGICAL	TEMPERATURES	2912
JACKRABBIT EARS: SURFACE	TEMPERATURES AND VASCULAR RESPONSES	3341
OMPLEX PERMITTIVITY OF MATERIALS TO	TEMPERATURES EXCEEDING 2000 DEGREE C	1043
TATION OF THE EM FIELDS AND INDUCED	TEMPERATURES WITHIN A MODEL OF THE MICROWAVE-IRRADIATED HUMAN EYE	1663
SOURCES, PROPAGATION, AMPLITUDE AND	TEMPORAL VARIATION OF EXTREMELY LOW FREQUENCY (0-100 HZ) EM FIELDS	3213
INVESTIGATION OF THE BOUND WATER IN	TENDON BY DIELECTRIC MEASUREMENT	1679
TENDONS AND APPLIED CURRENT DURING	TENDON HEALING	1679
IN VIVO ELECTROPHYSIOLOGY OF	TENDONS AND APPLIED CURRENT DURING TENDON HEALING	0962
IN RADIOFREQUENCY-TREATED LARVAE OF	TENEBRIO MOLITOR	0964
DIOFREQUENCY TREATMENT OF LARVAE OF	TENEBRIO MOLITOR	2675
FECTS OF MICROWAVES ON THE PUPAE OF	TENEBRIO MOLITOR	0985
OF RADIOFREQUENCY ENERGY ON EGGS OF	TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE)	1976
MORPHOLOGICAL CHANGES IN ADULT	TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) RESULTING FROM RADIOF	0493
METABOLISM IN THE YELLOW MEALWORM,	TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE), FOLLOWING EXPOSURE T	1206
THE RELATION OF TERATOGENESIS IN	TENEBRIO MOLITOR AND HEART RATE IN FROG TO THE INCIDENCE OF LOW LE	2408
SHF FIELDS. FURTHER EXPERIMENTS ON	TENEBRIO MOLITOR COLEOPTERON	2432
CE SUR LE MECANISME DE TANNAGE CHEZ	TENEBRIO MOLITOR COLEPTERE	1927
TOZOAN ACTIVITY AND INSEMINATION IN	TENEBRIO MOLITOR FOLLOWING RADIOFREQUENCY ELECTRICAL TREATMENT (CO	1973
THE RELATION OF TERATOGENESIS IN	TENEBRIO MOLITOR TO THE INCIDENCE OF LOW-LEVEL MICROWAVES	0985
GS OF TENEBRIO MOLITOR (COLEOPTERA:	TENEBRIONIDAE)	1927
Y ELECTRICAL TREATMENT (COLEOPTERA:	TENEBRIONIDAE)	1976
ADULT TENEBRIO MOLITOR (COLEOPTERA:	TENEBRIONIDAE) RESULTING FROM RADIOFREQUENCY OR HEAT TREATMENT OF	0493
WORM, TENEBRIO MOLITOR (COLEOPTERA:	TENEBRIONIDAE), FOLLOWING EXPOSURE TO RADIOFREQUENCY ELECTRIC FIEL	2234
ELECTRICAL STIMULATION AND OXYGEN	TENSION	0378
ECTS OF SHF FIELDS ON MUSCLE OXYGEN	TENSION AND TEMPERATURE IN RATS ADAPTED TO HYPOXIA	2600
ALTERNATING ELECTRIC FIELD OF HIGH	TENSION ON THE ORGANISM (IN GERMAN)	2755
INSECT	TERATOGENESIS IN A STANDING-WAVE IRRADIATION SYSTEM	2358
MICROWAVE	TERATOGENESIS IN MICE	1206
THE RELATION OF	TERATOGENESIS IN TENEBRIO MOLITOR AND HEART RATE IN FROG TO THE IN	1973
THE RELATION OF	TERATOGENESIS IN TENEBRIO MOLITOR TO THE INCIDENCE OF LOW-LEVEL MI	2592
MICROWAVE RADIATION NOT KNOWN TO BE	TERATOGENIC	

INDUCTION OF	TERATOGENIC EFFECTS IN RATS BY 27.12 MHZ RF RADIATION	2898
ATIC FIELDS BY LIVING ORGANISMS AND	TERATOGENIC EFFECTS OF MICROWAVES	2830
	TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENAT	2340
	TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENAT	2881
	TERATOGENIC POWER OF SHF FIELDS. FURTHER EXPERIMENTS ON TENEBRIO	2408
MICROWAVE RADIATION NOT KNOWN TO BE	TERATOGENIC	2926
ARE MICROWAVES	TERATOGENIC ?	1371
BEHAVIORAL, ETHOLOGICAL, AND	TERATOLOGICAL EFFECTS OF ELECTROMAGNETIC RADIATION ON AN AVIAN SPE	0140
A	TERATOLOGICAL STUDY OF THE RAT: MICROWAVE AND INFRARED RADIATIONS	2754
MICROWAVE-INDUCED	TERATOLOGY IN THE RAT	2880
	TERATOLOGY , SURVIVAL, AND REVERSAL LEARNING AFTER FETAL IRRADIATIO	1805
	TERATOLOGY , SURVIVAL, AND REVERSAL LEARNING AFTER THE TIME OF DEAT	2882
	TEREOTACTIC RADIOFREQUENCY HYPOPHYSECTOMY	3436
B-CAMP ON RESPONSES OF THE ISOLATED	TERMINAL GUINEA-PIG ILEUM TO ELECTRICAL STIMULATION	1875
EASUREMENTS FOR UHF SATELLITE EARTH	TERMINALS	3510
EMR EMITTED FROM VIDEO COMPUTER	TERMINALS	0200
MICROWAVE: BASIC BACKGROUND AND	TERMINOLOGY	0297
CRITICAL ASPECTS OF HUMAN VERSUS	TERRESTRIAL EM SYMBIOSIS	2173
	TERRITORY CHOICE OF WHITE MICE UNDER FARADAY CONDITIONS AND IN ELE	2637
ISSION SYSTEMS OF ONE MILLION VOLTS	TESTED	3011
ITH CARDIAC PACEMAKERS BY DIATHERMY	TESTED IN VARIOUS SIMULATION MODELS	0235
OVEN	TESTERS : INEFFECTIVE INSTRUMENTS OR A POTENTIAL CONSUMER-SALES GOL	0408
SOME BIOCHEMICAL PROPERTIES OF RAT	TESTES	1502
OF MICROWAVE IRRADIATION OF THE RAT	TESTES	2185
EARLY LESIONS IN DOG	TESTES DUE TO MICROWAVES	2848
CHANGES IN THE	TESTES DUE TO THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD ON THE	1508
OF IONIZING RADIATION EFFECT ON THE	TESTES OF RATS BY MICROWAVE OR ULTRASOUND-INDUCED HYPERTHERMIA	0125
FECTS OF MICROWAVE RADIATION ON THE	TESTES OF SWISS MICE	1268
CUT THE VAS OR WARM THE	TESTES ?	1965
FIELD AND INCREASES IN THYROID AND	TESTICLE WEIGHT IN RATS	0667
VES EMITTED BY RADAR DEVICES ON THE	TESTICLES AND EPIDIDYMIDES OF RABBIT, COMMUNICATION I	2502
OW-LEVEL MICROWAVE RADIATION ON THE	TESTICLES OF MICE	2385
OW-LEVEL MICROWAVE RADIATION ON THE	TESTICLES OF MICE	2892
CTS OF 2450 MHZ MICROWAVES ON MOUSE	TESTICULAR CYTOLOGY	2894
	TESTICULAR DEGENERATION AS A RESULT OF MICROWAVE IRRADIATION	2891
TS OF PROLONGED HIGH TEMPERATURE ON	TESTICULAR DEVELOPMENT AND FERTILITY IN THE MALE RAT	2890
STUDIES ON THE REPRODUCTION AND	TESTICULAR MICROSTRUCTURE OF MICE EXPOSED TO MICROWAVES	2873
	TESTIMONY	3132
	TESTIMONY	3133
N ON MORPHOLOGY AND FUNCTION OF RAT	TESTIS	2893
TOXINE GENERATING POTENTIAL OF THE	TETANIC BACILLUS	1998
REEZING AT -80 DEGREES CELSIUS, AND	THAWING BY MICROWAVE ILLUMINATION	2698
HE VOLUME OF BIOLOGIC MATTER DURING	THAWING IN UHF FIELD. (IN RUSSIAN)	0276
MICROWAVE	THAWING OF CELLS AND ORGANS	1260
EM	THAWING OF FROZEN GRANULOCYTES FOR TRANSFUSION	1005
APPLICATIONS OF MICROWAVE	THAWING TO THE RECOVERY OF DEEP FROZEN CELLS AND ORGANS: A REVIEW	0680
WHOLE ORGAN FREEZING AND	THAWING-HEAT TRANSFER AND THERMAL PROPERTIES	3543
RRADIATED WITH MICROWAVE PULSES--A	THEORETICAL ANALYSIS	2441
	THEORETICAL ANALYSIS OF MICROWAVE-GENERATED AUDITORY EFFECTS IN AN	2149
COMPARISON OF	THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIO FREQUENCY POWER	1684
COMPARISON OF	THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIOFREQUENCY POWER	0742
	THEORETICAL AND EXPERIMENTAL STUDI&S OF MICROWAVE INDUCED CATARACT	2386
	THEORETICAL CALCULATION OF FREQUENCIES AND THRESHOLDS OF MICROWAVE	2759
	THEORETICAL CALCULATIONS OF POWER ABSORBED BY MONKEY AND HUMAN PRO	2193
ERIC INFLUENCE ON ORGANIC TISSUE: A	THEORETICAL CONSIDERATION (IN GERMAN)	2622
ALLY EXPOSED TO MICROWAVES, PART I:	THEORETICAL CONSIDERATIONS AND PRACTICAL ASPECTS	0796
EXPERIMENTAL AND	THEORETICAL DETERMINATION OF ABSORBED MICROWAVE DOSE RATE DISTRIBU	2590
TES FOR EHV TRANSMISSIONS LINES AND	THEORETICAL ESTIMATES OF OZONE CONCENTRATING NEAR OPERATING LINES	3113
A	THEORETICAL INVESTIGATION OF MICROWAVE IRRADIATION OF SEEDS IN SOI	1125
LIZED CURRENT FIELD HYPERTHERMIA- A	THEORETICAL MODEL	0359
STIMATION OF MAXIMUM SURFACE REDOX (	THEORETICAL NON-GASSING) LIMITS	0973
E-INDUCED HEARING: SOME PRELIMINARY	THEORETICAL OBSERVATIONS	0850
EXPERIMENTAL AND	THEORETICAL STUDIES ON EM FIELDS INDUCED INSIDE FINITE BIOLOGICAL	1239
AN EXPERIMENTAL AND	THEORETICAL STUDY ON THE INTERACTION OF EM FIELDS WITH ARBITRARILY	2070
THERMODES AND	THEORIES	0573

ORTI'S ORGAN AND THE COCHLEA: A NEW	THEORY	1073
SCAT PROGRAM, MULTILAYERED SPHERES,	THEORY AND APPLICATIONS	0263
ION OF MICROORGANISMS BY EM FIELDS:	THEORY AND EXPERIMENT	1746
SOME	THEORY AND PRELIMINARY EXPERIMENTS ON MICROWAVE RADIOMETRY OF BIOL	1748
A SEMICLASSICAL	THEORY FOR NERVE EXCITATION BY A LOW INTENSITY EM FIELD	0647
IVISTIC KINEMATIC EQUATIONS AND THE	THEORY OF CONTINUOUS MEDIA	0428
A NEW	THEORY OF GENETIC CONTINUITY AND METABOLIC REGULATION BASED ON THE	2986
OF REFERENCE SYSTEM IN THE SPECIAL	THEORY OF RELATIVITY	0424
NEW	THEORY PROPOSED FOR HEARING MICROWAVES	0942
APPLICATION OF THE LIFSHITZ	THEORY TO THE CALCULATION OF VAN DER WAALS FORCES ACROSS THIN LIPI	3225
AN APPLICATION OF INFORMATION	THEORY TO THE PHYSICS OF TISSUE DAMAGE	3448
: DEVELOPMENT OF THE PHYSICS OF THE	THEORY , & EXPERIMENTAL CORRELATIONS	0123
	THERAPEUTIC ACTION OF PULSED CENTIMETER WAVES ON PATIENTS WITH DEF	0237
ED BY MICROWAVES IN SPECIMENS UNDER	THERAPEUTIC CONDITIONS	3545
EVALUATION OF A	THERAPEUTIC DIRECT-CONTACT 915-MHZ MICROWAVE APPLICATOR FOR EFFECT	0049
	THERAPEUTIC EFFECT OF CONSTANT AND LOW-FREQUENCY INTERMITTENT MAGN	2135
IMPROVING THE	THERAPEUTIC EFFECT OF INDUCTOTHERAPY OF THE LUMBAR REGION IN DERMA	2716
E PRELIMINARY INVESTIGATIONS ON THE	THERAPEUTIC EFFECT OF PULSED SHORT WAVES IN INTERMITTENT CLAUDICAT	0490
THE THERMAL, NON-THERMAL AND	THERAPEUTIC EFFECTS OF 2450 MHZ RADIATION ON MAMMALIAN CELLS	2342
E USE OF NON-IONIZING RADIATION FOR	THERAPEUTIC HEATING	2221
STUDIES ON	THERAPEUTIC HEATING BY ELECTROMAGNETIC ENERGY	3318
ANALYSES OF	THERAPEUTIC HEATING DUE TO A GENERAL ELECTROMAGNETIC APERTURE SOUR	3326
5-MHZ DIRECT-CONTACT APPLICATOR FOR	THERAPEUTIC HEATING OF TISSUES	0045
RADIATION HAZARDS FROM	THERAPEUTIC MICROWAVE DIATHERMY	2464
	THERAPEUTIC POTENTIAL OF CONFORMAL APPLICATORS FOR INDUCTION OF HY	0258
CARDIAC PACEMAKERS AND EMI FROM	THERAPEUTIC RADIATION GENERATING MACHINES	2316
	THERAPEUTIC USE OF CONSTANT AND LOW FREQUENCY MAGNETIC FIELDS (LIT	0218
	THERAPEUTIC USES OF MICROWAVES	2267
SHORT WAVE	THERAPY	0587
HEAT IN TUMOR	THERAPY	0648
HEAT AS CANCER	THERAPY	0724
TUMOR ERADICATION BY RADIOFREQUENCY	THERAPY	0741
TUMOR ERADICATION BY RADIOFREQUENCY	THERAPY	0836
ADVANCES IN SHORTWAVE	THERAPY	0966
PERTHERMIA AS AN ADJUVANT TO CANCER	THERAPY	1161
TED WITH ABUSE OF ELECTROCONVULSIVE	THERAPY	1311
ATIENTS SUBJECTED TO DECIMETER WAVE	THERAPY	1491
URRENTS: ELECTRICAL STIMULATION AND	THERAPY	1682
ACTIN RESPONSE TO ELECTROCONVULSIVE	THERAPY	1879
MICROWAVES FOR DIAGNOSIS AND	THERAPY	1910
ELECTRICAL FIELD: A NEW COMBINATION	THERAPY (IN GERMAN)	2144
OF PACEMAKER DURING HIGH-FREQUENCY	THERAPY (IN GERMAN)	2586
ELECTROCONVULSIVE	THERAPY AND EEG CORRELATES IN DEPRESSIVE DISORDERS	1870
COMBINATION RADIATION	THERAPY AND LOCALIZED CURRENT FIELD HYPERTHERMIA OF SPONTANEOUS MA	2329
MICROWAVE	THERAPY AND MUSCLE BLOOD FLOW IN MAN	1156
MEASURES OF PROTECTION,	THERAPY AND PROPHYLAXIS TO BE TAKEN DURING WORK WITH RADIO-FREQUEN	0545
RESULTS OF 433 MEGAHERTZ MICROWAVE	THERAPY AND RADIATION THERAPY ON PATIENTS WITH ADVANCED CANCER	2336
THE UTILIZATION OF DIAPULSE	THERAPY AS AN ADJUNCTIVE TREATMENT IN ORAL SURGERY	1807
EXPERIENCE WITH DECIMETER WAVE	THERAPY AS PART OF COMPREHENSIVE TREATMENT FOR PATIENTS WITH PEPTI	2804
IMPLANTABLE RADIATORS FOR CANCER	THERAPY BY MICROWAVE HYPERTHERMIA	0388
TIC FIELDS IN THE VICINITY OF RADAR	THERAPY EQUIPMENT (IN ITALIAN)	0077
F USE AND PERFORMANCE OF ULTRASONIC	THERAPY EQUIPMENT IN PINELLAS COUNTY, FLA	0638
MICROWAVE	THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA	1963
VALUATION OF DIAPULSE AS ADJUNCTIVE	THERAPY FOLLOWING FOOT SURGERY	1812
ION OF BBB: A STUDY TO EXPLORE NEW	THERAPY FOR CNS LEUKEMIA	2326
A REVIEW OF PHOTODYNAMIC	THERAPY FOR HERPES SIMPLEX: BENEFITS AND POTENTIAL RISKS	3130
ULTRAHIGH-FREQUENCY	THERAPY IN CERTAIN AFFECTIONS OF THE PERIPHERAL NERVOUS SYSTEM	3451
NTRA-UTERINE DEATH AFTER SHORT-WAVE	THERAPY IN EARLY PREGNANCY IN EXPERIMENTAL ANIMALS	2879
A-UTERINE DEATH FOLLOWING MICROWAVE	THERAPY IN EARLY PREGNANCY, ANIMAL EXPERIMENTS (IN GERMAN)	0670
NCY AND ROUTINE HOSPITAL ANTIBIOTIC	THERAPY IN THE MANAGEMENT OF PELVIC INFLAMMATORY DISEASE: A PRELIM	1809
TURE CHANGES GENERATED BY MICROWAVE	THERAPY IN THE THIGHS OF HUMAN SUBJECTS	1157
RADIATION AND MICROWAVE	THERAPY IN THE TREATMENT OF ADVANCED CANCER	0012
TAL MECHANISMS IN COMBINED MODALITY	THERAPY OF CANCER	1211
ESSMENT OF ULTRASOUND AND MICROWAVE	THERAPY OF CHRONIC TONSILLITIS IN EPILEPTIC PATIENTS	1928
ELECTRIC IMPULSE	THERAPY OF IMPOTENCE (IN RUSSIAN)	2862

MICROWAVE	THERAPY OF INFLAMMATION OF THE GENITALS	2353
FIELDS AND ELECTRONIC NOISE FOR THE	THERAPY OF INSOMNIA AND NEUROSIS (IN CZECHOSLOVAKIAN)	1413
XPERIENCE WITH INTERFERENCE-CURRENT	THERAPY OF MEN WITH VEGETATIVE UROGENITAL COMPLAINTS (IN GERMAN)	0018
EXPERIENCE WITH MAGNETIC	THERAPY OF PAINFUL NEUROMAS OF EXTREMITY STUMPS (IN RUSSIAN)	2845
AND CALCIUM ELECTROPHORESIS IN THE	THERAPY OF PYELONEPHRITIS IN CHILDREN (IN RUSSIAN)	2072
AND MAGNETIC FIELD IN THE INTENSIVE	THERAPY OF SEVERE FORMS VIRAL HEPATITIS	0013
RIAL INVOLVING THE USE OF PULSED EM	THERAPY ON CHILDREN UNDERGOING ORCHIDOPEXY	0856
RTZ MICROWAVE THERAPY AND RADIATION	THERAPY ON PATIENTS WITH ADVANCED CANCER	2336
EFFECTS OF ELECTROCONVULSIVE SHOCK	THERAPY ON SYNTHESIS TURNOVER AND UPTAKE OF BRAIN MONOAMINES	1893
CANCER	THERAPY WITH LOCALIZED HYPERTHERMIA USING AN INVASIVE MICROWAVE SY	0226
CANCER	THERAPY , DETECTION AIDED BY MICROWAVE TECHNOLOGY	1172
TS FOR HYPERTHERMIA IN HUMAN CANCER	THERAPY , PART I: HYPERTHERMIC EFFECTS IN MAN AND SPONTANEOUS ANIMA	2063
OF 2450 MHZ OF MICROWAVE IN CANCER	THERAPY	0170
PHYSICAL HYPERTHERMIA AND CANCER	THERAPY	0390
FOUR YEARS OF MICROWAVES IN CANCER	THERAPY	0421
Y-INDUCED HYPER- THERMIA FOR CANCER	THERAPY	0438
ERMIA IN COMBINATION WITH RADIATION	THERAPY . 1.MALIGNANT CUTANEOUS LESIONS	2618
MICROWAVE	THERAPY : STRAY RADIATION, SAFETY AND EFFECTIVE- NESS	0427
	THERMAL ANALYSIS AND DESIGN CONSIDERATIONS FOR A DUEL-BEAM MICROWA	0156
	THERMAL AND ATHERMAL EFFECTS OF 2.8 GHZ MICROWAVES ON THREE HUMAN	1815
AN INVESTIGATION OF THE	THERMAL AND ATHERMAL EFFECTS OF MICROWAVE IRRADIATION ON ERYTHROCY	0183
	THERMAL AND ATHERMAL EFFECTS OF MICROWAVE RADIATION ON THE ACTIVIT	1982
	THERMAL AND ELECTRONIC CONTRIBUTIONS TO SWITCHING IN MELANINS	1616
ON THE INTERDEPENDENCE OF	THERMAL AND EM EFFECTS IN THE RESPONSE OF BACILLUS SUBTILIS SPORES	2407
	THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF	2747
	THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF	2901
	THERMAL AND NONTHERMAL CATARACTOGENESIS BY MICROWAVES	1526
FREQUENCY FIELDS AND THE ASSOCIATED	THERMAL AND PHYSIOLOGIC CONSEQUENCES	0811
C RESPONSE TO LONG-TERM WORK DURING	THERMAL AND POLLUTANT STRESS	2916
A COMPARISON OF	THERMAL AND RADIO-FREQUENCY EXPOSURE EFFECTS ON TRACE METAL CONTEN	1079
A MODEL FOR	THERMAL CATARACTOGENESIS	2442
	THERMAL CONDUCTIVITY MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL F	3542
ROTEIN DENATURATION AS THE CAUSE OF	THERMAL DEATH	3500
IRRADIATED IN MICROWAVE FIELD UNTIL	THERMAL DEATH. (IN POLISH)	0354
	THERMAL DENATURATION OF DNA EXPOSED TO 2450 MHZ CW MICROWAVE RADIA	1972
	THERMAL DOSIMETRY AND TEMPERATURE MEASUREMENTS	0139
	THERMAL DOSIMETRY: SOME BIOPHYSICAL CONSIDERATIONS	0321
RMY APPLIED TO THE EYE AND ORBIT A.	THERMAL EFFECT OF DIATHERMY	3365
BIOLOGICAL	THERMAL EFFECT OF MICROWAVE RADIATION ON HUMAN EYES	2151
	THERMAL EFFECTS OF 200 MEGACYCLE(CW) IRRADIATION AS RELATED TO SHA	3316
BEHAVIORAL AND	THERMAL EFFECTS OF MICROWAVE RADIATION AT RESONANT AND NONRESONANT	2761
	THERMAL EFFECTS OF SINGLE AND REPEATED EXPOSURES TO MICROWAVES--A	1370
DETERMINATION OF A	THERMAL EQUIVALENT OF MILLIMETER MICROWAVES IN LIVING CELLS	0413
	THERMAL EXPANSION COEFFICIENTS AND THE PRIMARY AND SECONDARY PYROE	2090
ENTRAL NERVOUS SYSTEM ATTRIBUTED TO	THERMAL FACTORS	2388
EFFECT OF MICROWAVES IN THE	THERMAL INTENSITY RANGE ON MICE. BODY WEIGHT, RECTAL TEMPERATURE,	0120
HUMAN	THERMAL LOADING BY EXPOSURE TO EMISSIONS FROM A MICROWAVE OVEN	1151
	THERMAL PROFILES OF NATIVE AND MICROWAVE-IRRADIATED DNA	2352
EZING AND THAWING-HEAT TRANSFER AND	THERMAL PROPERTIES	3543
MEASUREMENT OF SOME	THERMAL PROPERTIES OF HUMAN TISSUES	3514
	THERMAL RADIATION IN METABOLIC CHAMBERS	3224
	THERMAL REGULATION IN LONG-EVANS RATS EXPOSED TO 2450 MHZ MICROWAV	1433
	THERMAL RESPONSE IN MACACA MULATTA EXPOSED TO 15- AND 20-MHZ RADIO	2644
RESSORS ARE POTENT MEDIATORS OF THE	THERMAL RESPONSE TO MICROWAVE IRRADIATION	1251
ONS OF RF FIELD DELIVERY METHODS TO	THERMAL RESPONSES OF MODELS AND EXPERIMENTAL ANIMALS	1687
	THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS	1779
THE NUMERICAL	THERMAL SIMULATION OF THE HUMAN BODY WHEN ABSORBING NON-IONIZING M	2191
MATAL RESPONSE TO MICROWAVE INDUCED	THERMAL STRESSES	0847
SPONSE TO MICROWAVES: A PRELIMINARY	THERMAL VERSUS NON-THERMAL EXPERIMENT	0694
THE	THERMAL , NON-THERMAL AND THERAPEUTIC EFFECTS OF 2450 MHZ RADIATION	2342
ARE MICROWAVE CATARACTS	THERMALLY CAUSED?	2684
ANTENNA FOR LOCALLY-INDUCED HYPER-	THERMIA FOR CANCER THERAPY	0438
	THERMISTOR PROBE ERROR IN AN X-BAND MICROWAVE FIELD	1818
ROWAVE FIELD WITH THERMOCOUPLES AND	THERMISTORS	1194
MICROWAVE HEARING: EVIDENCE FOR	THERMOACOUSIC AUDITORY STIMULATION BY PULSED MICROWAVES	0477

RADIOFREQUENCY	THERMOCOAGULATION OF GASSERIAN GANGLION AND ITS ROOTLETS FOR TRIGE	1874
INDUCTION	THERMOCOAGULATION OF THE BRAIN--QUANTITATION OF ABSORBED POWER	1334
COMMENTS ON 'INDUCTION	THERMOCOAGULATION--A SEED POWER STUDY'	1712
NEXPENSIVE READOUT FOR A COMMERCIAL	THERMOCOUPLE MICROWAVE POWER DENSITY PROBE	0589
	THERMOCOUPLE POWER MONITORS	1721
OF A 2450-MHZ MICROWAVE FIELD WITH	THERMOCOUPLES AND THERMISTORS	1194
ONSTRUCTION, CALIBRATION AND USE OF	THERMOCOUPLES FOR MEASURING BODY TEMPERATURE	3457
PHYSIOLOGICAL EFFECTS OF	THERMODE AND MICROWAVE STIMULATION OF PERIPHERAL NERVES	2513
	THERMODES AND THEORIES	0573
CROWAVE-INDUCED HAZARDOUS NONLINEAR	THERMOELASTIC VIBRATIONS OF THE OCULAR LENS IN THE HUMAN EYE	0114
FREQUENCY EM WAVES IN THE STUDY OF	THERMOGENESIS	1110
	THERMOGENETIC AND CARDIODYNAMIC REGULATION IN DOGS CRANIALLY EXPOS	0655
MILLIMETER WAVE	THERMOGRAPH AS SUBCUTANEOUS INDICATOR OF JOINT INFLAMMATION	2411
A NEW RADIATION BALANCE MICROWAVE	THERMOGRAPH FOR SIMULTANEOUS AND INDEPENDENT TEMPERATURE AND EMISS	0255
	THERMOGRAPHIC AND BEHAVIORAL STUDIES OF RATS IN THE NEAR FIELD OF	2818
	THERMOGRAPHIC COMPARISON OF TEMPERATURE PROBES USED IN MICROWAVE D	0265
	THERMOGRAPHIC IMAGING AT MILLIMETER AND CENTIMETER WAVELENGTHS	1691
	THERMOGRAPHIC MEASUREMENT OF POWER ABSORPTION DENSITIES IN SPHEROI	1740
OSED TO HIGH FREQUENCY EM FIELDS BY	THERMOGRAPHIC MEASUREMENTS ON SCALE MODELS	1246
DS INDUCED IN BIOLOGICAL TISSUES BY	THERMOGRAPHIC STUDIES ON EQUIVALENT PHANTOM MODELS	2946
Z OVEN LEAKAGE TO HUMAN SUBJECTS BY	THERMOGRAPHIC STUDIES ON PHANTOM MODELS	1153
GRAPHIC TUMOR DETECTION ENHANCEMENT	THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT	0050
GRAPHIC TUMOR DETECTION ENHANCEMENT	THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT THERMOGRAPHIC TUMOR DETE	0050
	THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT THERMOGRAPHIC TUMOR DETE	0050
MICROWAVE	THERMOGRAPHY	2524
CENTIMETER AND MILLIMETER-WAVE	THERMOGRAPHY - A SURVEY ON TUMOR DETECTION	0229
COLOUR	THERMOGRAPHY AND MICROWAVE RADIOMETRY: THEIR APPLICATION TO BIOLOG	2291
	THERMOGRAPHY AT MILLIMETER WAVELENGTHS	1696
USE OF	THERMOGRAPHY FOR QUANTITATION OF ENERGY ABSORPTION IN ANIMALS IRRA	1145
MICROWAVE	THERMOGRAPHY	3315
MILLIMETER-WAVE	THERMOGRAPHY : APPLICATION TO BREAST CANCER	0234
MICROWAVE	THERMOGRAPHY : APPLICATION TO THE DETECTION OF BREAST CANCER, 2:375	0066
CROWAVE LOCAL HEATING AND MICROWAVE	THERMOGRAPHY : POSSIBLE CLINICAL APPLICATIONS	0264
MILLIMETER-WAVE	THERMOGRAPHY : PRELIMINARY CLINICAL FINDINGS IN HEAD AND NECK DISEA	0271
MICROWAVE	THERMOGRAPHY : PRINCIPLES, METHODS AND CLINICAL APPLICATIONS	0261
A BIREFRINGENT CRYSTAL OPTICAL	THERMOMETER FOR MEASUREMENTS OF ELECTROMAGNETICALLY INDUCED HEATIN	2208
PERTHERMIA MICROWAVE GENERATORS AND	THERMOMETRY	2361
ICROWAVE HYPERTHERMIA TREATMENT AND	THERMOMETRY SYSTEM	0425
	THERMOPHYSICAL PROPERTIED OF BIOLOGICAL MEDIA	3515
	THERMORADIOTHERAPY IN ANIMAL EXPERIMENT: TUMOR GROWTH AND TUMOR CU	0008
MICROWAVES: EFFECT ON	THERMOREGULATORY BEHAVIOR IN RATS	0358
METABOLIC AND	THERMOREGULATORY RESPONSES TO MICROWAVE RADIATION IN YOUNG MALE RA	1434
	THERMOREGULATORY , METABOLIC, AND CARDIOVASCULAR RESPONSE OF RATS T	0926
	THERMOSTABILITY OF THE ERYTHROCYTES OF MICE EXPOSED TO THE ACTION	1231
UDY ON THE EFFECT OF RADIOFREQUENCY	THERMOTHERAPY ON MALIGNANT TUMORS OF THE LUNG	0107
NERATED BY MICROWAVE THERAPY IN THE	THIGHS OF HUMAN SUBJECTS	1157
	THIN FILM SPHERICAL BOLOMETER FOR MEASUREMENT OF HAZARDOUS FIELD I	3297
TION OF VAN DER WAALS FORCES ACROSS	THIN LIPID FILMS	3225
EXTENSION OF THE '	THIN-SAMPLE METHOD' FOR THE MEASUREMENT OF INITIAL COMPLEX PERMEAB	3337
UTION FUNCTION FOR THE DIAMETERS OF	THIN-WALLED SPHERES ON THE BASIS OF EMR SCATTER DATA	1475
COUPLING BETWEEN SMALL	THIN-WIRE ANTENNAS AND A BIOLOGICAL BODY	2827
POWER TRANSMITTED THROUGH THE HUMAN	THORAX	0290
THE INVISIBLE	THREAT : THE STIFLED STORY OF ELECTRIC WAVES	0315
A	THREE-PHASE EVALUATION OF PULSED, HIGH FREQUENCY, RADIO SHORT WAVE	1823
FIELD APPLICATION UPON HUMAN VISUAL	THRESHOLD	2154
	THRESHOLD EFFECTS OBSERVED IN CONFORMATION CHANGES INDUCED BY ELEC	0690
	THRESHOLD EFFECTS OF MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS	1090
SHOCK	THRESHOLD FIXES APPLIANCE INSULATION RESISTANCE	3281
LONG-TERM CONTROL OF MYOCARDIAL	THRESHOLD MEASURED BY MEANS OF A RADIOFREQUENCY SYSTEM (RADIOCOR)	2078
AUDITORY	THRESHOLD OF HUMANS	2324
DETERMINATION OF	THRESHOLD OF SENSITIVITY OF THE RABBIT BRAIN TO PULSED SUPERHIGH-F	1940
INTRACARDIAC CATHETER FIBRILLATION	THRESHOLDS AS A FUNCTION OF THE DURATION OF 60 HZ CURRENT AND ELEC	1520
	THRESHOLDS FOR PHYSIOLOGICAL EFFECTS DUE TO RF AND MAGNETIC FIELDS	0135
MINIMUM	THRESHOLDS FOR PHYSIOLOGICAL RESPONSES TO FLOW OF ALTERNATING ELEC	3017
TIME AND POWER	THRESHOLDS FOR THE PRODUCTION OF LENS OPACITIES BY 12.3 CM. MICROW	0664

A REVIEW OF SELECTED BIOEFFECTS	THRESHOLDS FOR VARIOUS SPECTRAL RANGES OF LIGHT	0653
HUMAN	THRESHOLDS OF ELECTRIC SHOCK AT POWER TRANSMISSION FREQUENCIES	2022
ICAL CALCULATION OF FREQUENCIES AND	THRESHOLDS OF MICROWAVE-INDUCED AUDITORY SIGNALS	2759
SENSITIVITY	THRESHOLDS OF WHEAT STEMS AND ROOTS TO MAGNETIC FIELDS	0377
BIBLIOGRAPHY ON SAFE HUMAN	THRESHOLDS TO EXTRA-LOW-FREQUENCY ELECTRIC CURRENT	0510
EFFECTS OF MAGNETISM ON	THROMBOCYTE COAGULATION	0272
RACE ELEMENTS IN PATIENTS AND ACUTE	THROMBOPHLEBITIS OF THE LOWER EXTREMITIES UNDER THE INFLUENCE OF A	2479
UPTAKE OF TRITIATED	THYMIDINE DURING ELECTRICAL STIMULATION OF INDUCED CORTICAL BONE D	2233
HE EFFECTS OF MICROWAVE EXPOSURE ON	THYMIDINE UPTAKE IN ALBINO RATS	0719
LIZED MICROWAVE EXPOSURE ON THE DOG	THYROID	1606
-INTENSITY MICROWAVE IRRADIATION ON	THYROID AND ADRENAL FUNCTION IN RATS	3214
ING MAGNETIC FIELD AND INCREASES IN	THYROID AND TESTICLE WEIGHT IN RATS	0667
AVES ON THE HYPOTHALAMIC/ PITUITARY/	THYROID AXIS	1374
STIMULATION OF DOG	THYROID BY LOCAL APPLICATION OF HIGH INTENSITY MICROWAVES	2824
MICROWAVE HEATING EFFECT ON THE DOG	THYROID GLAND	1429
THE MORPHOLOGY AND FUNCTION OF THE	THYROID GLAND (IN POLISH)	1923
IELD OF INDUSTRIAL FREQUENCY ON THE	THYROID GLAND FUNCTIONAL ACTIVITY AND 131 I-THYROXIN BINDING BY TI	3432
	THYROID MORPHOLOGY AND ACTIVITY DOES NOT RESPOND TO ELF ELECTROMAG	0164
	THYROID PATHOPHYSIOLOGY OF MICROWAVE RADIATION	0537
	THYROID SUPPRESSION AND ADRENOMEDULLARY ACTIVATION BY LOW-INTENSIT	1111
OF CONGENITAL PSEUDARTHROSIS OF THE	TIBIA WITH DIRECT CURRENT	2778
WEEN INDUCED OSTEOGENESIS IN INTACT	TIBIAE AND THE EFFECT ON FRESH FRACTURE DEFECTS IN RADII	2773
EMBRYONIC CHICK	TIBIAE IN STEADY ELECTRIC FIELDS	0943
S ON GROWTH RATE OF EMBRYONIC CHICK	TIBIAE IN VITRO	0592
HACRYLATE FOR DELAYED UNION OF OPEN	TIBIAL FRACTURE WITH SEGMENTAL LOSS	2781
CHANGES IN THE	TIGROID SUBSTANCE OF NEURONS UNDER THE EFFECT OF RADIO WAVES	1995
WHICH VARY SLOWLY WITH POSITION AND	TIME	0729
Y ELECTRIC FIELDS ON HUMAN REACTION	TIME	1032
TEM EFFECTS AS MEASURED BY REACTION	TIME	1752
N ON PENTOBARBITAL-INDUCED SLEEPING	TIME	2171
	TIME AND AMPLITUDE STATISTICS FOR ELECTROMAGNETIC NOISE IN MINES	3562
	TIME AND POWER THRESHOLDS FOR THE PRODUCTION OF LENS OPACITIES BY	0664
S IN THE AIR: ARE THEY A BIOLOGICAL	TIME BOMB?	0801
ECTS OF MICROWAVES ON THE METABOLIC	TIME CLOCKS OF NORMAL AND TUMOUR CELLS: A LASER-RAMAN STUDY	3264
MICROWAVE	TIME DELAY SPECTROSCOPIC IMAGERY OF ISOLATED CANINE KIDNEY	0423
OF DIELECTRIC TARGETS BY MICROWAVE	TIME DELAY SPECTROSCOPY	3410
FISH MUSCLE IN THE FROZEN STATE:	TIME DEPENDENCE OF ITS MICROWAVE DIELECTRIC PROPERTIES	0901
EXTENSIONS OF	TIME DOMAIN METROLOGY ABOVE 10 GHZ TO MATERIALS MEASUREMENTS	0037
TEM EFFECTS AS MEASURED BY REACTION	TIME IN SQUIRREL MONKEYS EXPOSED FOR SHORT PERIODS TO EXTREMELY LO	1297
CIRCUITRY FOR A 3-SECOND RESPONSE	TIME IN THE NARDA 81100 MICROWAVE SURVEY INSTRUMENT, BRH/DEP N71-2	3040
THE EFFECT OF SEQUENCE AND	TIME INTERVALS OF COMBINED HYPERTHERMIA AND RADIATION TREATMENT OF	2819
AL, AND REVERSAL LEARNING AFTER THE	TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MICROWAVE ENERGY	2882
RATE OF MICROWAVE RADIATION TO THE	TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MOUSE	0849
ETERMINING INTRAVITAL CHARACTER AND	TIME OF POSTMORTEM INJURY OF TISSUES AND ORGANS BY SUPERHIGH RADIO	2074
THE EFFECT OF INSTRUMENT AVERAGING	TIME ON MICROWAVE POWER DENSITY MEASUREMENTS	0614
THE EFFECT OF INSTRUMENT AVERAGING	TIME ON MICROWAVE POWER DENSITY MEASUREMENTS, BRH/DEP 70-12	3031
FECT OF MAGNETIC FIELDS ON REACTION	TIME PERFORMANCE	2107
A	TIME-DOMAIN TECHNIQUE FOR MEASUREMENT OF THE DIELECTRIC PROPERTIES	2836
FIELD DETECTOR WORKS IN REAL	TIME	3360
ORIENTATION OF ANIMALS IN SPACE AND	TIME . (IN GERMAN)	0330
ABBIT SERUM COMPONENTS AND SLEEPING	TIMES	0634
VENESS OF HYPERTHERMIC TREATMENT OF	TISSUE	0247
OLLED EMR ON THE GROWTH OF CELLS IN	TISSUE	0267
WAVE IRRADIATION ON EMBRYONIC BRAIN	TISSUE	0905
MICROWAVE ENERGY ABSORPTION IN	TISSUE	0938
EM FIELD EFFECTS IN NERVE	TISSUE	1380
E ARBITRARY CYLINDERS OF BIOLOGICAL	TISSUE	1613
ASUREMENT OF EM POWER ABSORPTION IN	TISSUE	1749
ACID TRANSMITTER (GABA) FROM BRAIN	TISSUE	1989
MAGNETIC STIMULATION OF NERVE	TISSUE	2116
SEMICONDUCTOR PROPERTIES OF LIVING	TISSUE	2337
AND BLOOD FLOW ON THE EM HEATING OF	TISSUE	2451
ATION ON THE ENZYMES OF BEEF MUSCLE	TISSUE	2561
CALCIUM BINDING IN CEREBRAL	TISSUE	2679
AND LACTOBACILLUS PLANTARUM IN MEAT	TISSUE	2693

EFFLUX FROM CHICK AND CAT CEREBRAL	TISSUE		2727
MICROWAVE DIELECTRIC PROPERTIES OF	TISSUE		2770
LECTRIC PROPERTIES OF CANINE KIDNEY	TISSUE		2847
WAVE IRRADIATION ON EMBRYONIC BRAIN	TISSUE		2863
T CONTACT WITH BILAYERED BIOLOGICAL	TISSUE		2947
NORMAL	TISSUE	& SOLID TUMOR EFFECTS OF HYPERTHERMIA IN ANIMAL MODELS AND	0190
REPARATIVE REGENERATION OF THE BONE	TISSUE	(IN RUSSIAN)	2075
ION OF INDUCED EM FIELD PATTERNS IN	TISSUE	AND ASSOCIATED BIOLOGIC EFFECTS	1261
ELECTRICAL PROPERTIES OF	TISSUE	AND CELL SUSPENSIONS	1119
ELECTRICAL PROPERTIES OF	TISSUE	AND CELL SUSPENSIONS	3380
1: MICROWAVE APPARATUS FOR EXPOSING	TISSUE	AND THE EFFECT OF THE RADIATION ON SKIN RESPIRATION	0523
DIELECTRIC PROPERTIES OF BRAIN	TISSUE	BETWEEN 0-01 AND 10 GHZ	0416
TRATION DEPTH OF CERTAIN BIOLOGICAL	TISSUE	BETWEEN 40 AND 90 GHZ	3243
F EM POWER DEPOSITION IN BIOLOGICAL	TISSUE	BODIES	2192
SE OF CALCIUM FROM CHICKEN CEREBRAL	TISSUE	BY ELECTROMAGNETIC FIELDS	3395
SELECTIVE OCCLUSION OF TUMOR	TISSUE	CAPILLARIES BY HYPERTHERMIA SHOCK DURING HYPERGLYCEMIA (IN	0096
MICROWAVE	TISSUE	COAGULATOR	0193
ON THE GROWTH OF MAMMALIAN CELLS IN	TISSUE	CULTURE	2514
VES AT X-BAND ON GUINEA-PIG SKIN IN	TISSUE	CULTURE, PART 1: MICROWAVE APPARATUS FOR EXPOSING TISSUE AN	0523
VES AT X-BAND ON GUINEA-PIG SKIN IN	TISSUE	CULTURE, PART 2: EFFECT OF THE RADIATION ON SKIN BIOCHEMIST	0452
VES AT X-BAND ON GUINEA-PIG SKIN IN	TISSUE	CULTURE, PART 3: EFFECT OF PULSED MICROWAVES ON SKIN RESPIR	0453
PATTERNS IN CIRCULAR TRIPLE-LAYERED	TISSUE	CYLINDERS EXPOSED TO PLANE WAVE SOURCES	0851
NFORMATION THEORY TO THE PHYSICS OF	TISSUE	DAMAGE	3448
SOME	TISSUE	DETERMINANTS OF INTERACTIONS WITH ELECTRIC FIELDS	2429
OWER AND TEMPERATURE MEASUREMENT IN	TISSUE	DURING IRRADIATION	1103
ATING OF MALIGNANT MOUSE TUMORS AND	TISSUE	EQUIVALENT PHANTOM SYSTEMS	1116
MICROWAVE IRRADIATION AS A MEANS OF	TISSUE	FIXATION	0716
F MICROWAVE RADIATION AS A MEANS OF	TISSUE	FIXATION	2517
ITES IN MOUSE BRAIN FOLLOWING RAPID	TISSUE	FIXATION WITH MICROWAVE IRRADIATION	0810
EXAMINATION OF REGENERATING HEPATIC	TISSUE	FOLLOWING IN VIVO EXPOSURE TO R. F. RADIATION	0867
TECHNIQUE FOR SEPARATING EPIDERMAL	TISSUE	FROM MOUSE SKIN PRESERVING RNA, DNA, PROTEIN, AND PHORBOL E	2825
MATERIALS FOR SELECTIVE	TISSUE	HEATING IN A RADIOFREQUENCY EM FIELD FOR THE COMBINED CHEMO	1240
HEATING OF BIOLOGICAL	TISSUE	IN THE INDUCTION FIELD OF PORTABLE RADIO TRANSMITTERS	3151
, ELECTRICAL PARAMETERS OF BIOLOGICAL	TISSUE	IN THE MICROWAVE RANGE, REPORT 2. METHODS OF GAUGING ELECTR	3488
OF NORMAL AND MALIGNANT BIOLOGICAL	TISSUE	IN VIVO	3142
LS OF GABA IN MOUSE BRAIN FOLLOWING	TISSUE	INACTIVATION BY MICROWAVE IRRADIATION	2053
LITES IN RAT BRAIN DETERMINED AFTER	TISSUE	INACTIVATION WITH MICROWAVE IRRADIATION	2596
BIOPHYSICAL BASES OF	TISSUE	INTERACTIONS	2427
D MEASURED ELECTRICAL PROPERTIES OF	TISSUE	MATERIALS	1293
EM POWER ABSORPTION IN ANISOTROPIC	TISSUE	MEDIA	1306
ICROWAVE HEATING PATTERNS IN SIMPLE	TISSUE	MODELS	2705
TIC POWER ABSORPTION IN CYLINDRICAL	TISSUE	MODELS EXCITED BY A LOOP ANTENNA	0204
ELECTRIC CURRENT SPARKS MAMMALIAN	TISSUE	REGENERATION	0739
MPARATIVE CLINICAL ANALYSIS OF ORAL	TISSUE	RESPONSES TO A TYPE OF EM ENERGY	2339
ITION IN HOMEGENEOUS AND MULTILAYER	TISSUE	SPHERES AND EFFECT OF CIRCULATION	2447
ON - III: DOSE RATE DISTRIBUTION IN	TISSUE	SPHERES DUE TO MEASURED SPECTRA OF ELECTROMAGNETIC PLANE WA	3601
ION--III: DOSE RATE DISTRIBUTION IN	TISSUE	SPHERES DUE TO MEASURED SPECTRA OF EM PLANE WAVE	1028
SOFT	TISSUE	STRETCHING WITH MAGNETS	3407
ABSORPTION DENSITIES IN SPHEROIDAL	TISSUE	STRUCTURES AND PHANTOM MODELS OF MAN EXPOSED TO HIGH FREQUE	1740
ROGENOUS SUBSTANCES IN ANIMAL NERVE	TISSUE	SUBJECTED TO AN EM FIELD OF UHF	0618
ROGENOUS SUBSTANCES IN ANIMAL NERVE	TISSUE	SUBJECTED TO AN EM FIELD OF ULTRAHIGH FREQUENCY	2044
EXAMINATION OF REGENERATING HEPATIC	TISSUE	SUBJECTED TO RADIO-FREQUENCY IRRADIATION	1270
N THE PERIPHERAL CIRCULATION AND ON	TISSUE	TEMPERATURE IN MAN	0481
THE LCOF PROBE IN CALORIMETRIC AND	TISSUE	TEMPERATURE MONITORING APPLICATIONS	2201
ITY IN THE REACTION OF THE LYMPHOID	TISSUE	TO ANTIGENIC AND NONANTIGENIC (ALTERNATING MAGNETIC FIELD)	2039
S IN THE SUSCEPTIBILITY OF CEREBRAL	TISSUE	TO ENVIRONMENTAL AND INTRINSIC ELECTRIC FIELDS	1383
COMPLEX REACTION OF LYMPHOID	TISSUE	TO INTERMITTENT MAGNETIC FIELDS	1997
VITY OF CALCIUM BINDING IN CEREBRAL	TISSUE	TO WEAK ENVIRONMENTAL ELECTRIC FIELDS OSCILLATING AT LOW FR	0819
LCIUM AND AMINO ACIDS FROM CEREBRAL	TISSUE	WITH WEAK, LOW-FREQUENCY ELECTRIC FIELDS	2310
EFFECTS OF MICROWAVE RADIATION ON	TISSUE-	A SURVEY OF BASIC MECHANISMS	3204
EFFECTS OF MICROWAVE RADIATION ON	TISSUE--	A SURVEY OF BASIC MECHANISMS	0820
NG TEMPERATURE UNIFORMITY IN HEATED	TISSUE		0238
MICROWAVE ENERGY ABSORPTION IN	TISSUE		3230
ELECTRICAL SUBSTITUTES FOR HUMAN	TISSUE		3349
ATMOSPHERIC INFLUENCE ON ORGANIC	TISSUE	: A THEORETICAL CONSIDERATION (IN GERMAN)	2622

D BY ELECTROMAGNETIC FIELD IN BRAIN	TISSUES	0016
PLICATOR FOR THERAPEUTIC HEATING OF	TISSUES	0045
DIELECTRIC DISPERSION OF BIOLOGICAL	TISSUES	0380
ATER AND SOLIDS IN FRESHLY ISOLATED	TISSUES	0444
ANALYSIS OF EM FIELDS IN BIOLOGICAL	TISSUES	0781
REPT.: MICROWAVE FIXATION OF HUMAN	TISSUES	0908
F MICROWAVE LEAKAGE INTO BIOLOGICAL	TISSUES	1150
IN COMBAT INJURIES TO HARD AND SOFT	TISSUES	1428
ABSORPTION CHARACTERISTICS OF BODY	TISSUES	1573
FUNDAMENTAL PROPERTY OF BIOLOGICAL	TISSUES	2091
ELD PROBE WITHIN SIMULATED MUSCULAR	TISSUES	2207
OWAVE AND RADIOFREQUENCY HEATING OF	TISSUES	2699
FIELD PROBE WITHIN FINITE SIMULATED	TISSUES	2731
OF SOME THERMAL PROPERTIES OF HUMAN	TISSUES	3514
EDICTIONS FOR BIOLOGICAL FLUIDS AND	TISSUES	3542
MILUMINESCENCE OF THE CNS AND LIVER	TISSUES (IN UKR)	0071
ER AND TIME OF POSTMORTEM INJURY OF	TISSUES AND ORGANS BY SUPERHIGH RADIOFREQUENCIES (IN RUSSIAN)	2074
INTERACTIONS BETWEEN NERVOUS	TISSUES AND WEAK ENVIRONMENTAL ELECTRIC FIELDS	2172
PROPERTIES OF FRESH MAMMALIAN BRAIN	TISSUES AT BODY TEMPERATURE	1282
IC BEHAVIOUR OF SOME TYPES OF HUMAN	TISSUES AT MICROWAVE FREQUENCIES	0463
CAPACITY AND CONDUCTIVITY OF BODY	TISSUES AT UHF	0559
PENETRATION DEPTH OF MUSCLE AND FAT	TISSUES BETWEEN 40 AND 90 GHZ	1234
LATIVE HEATING PATTERNS PRODUCED IN	TISSUES BY EXPOSURE TO MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AN	3329
STIMULATION OF IRRITABLE	TISSUES BY MEANS OF AN ALTERNATING MAGNETIC FIELD	2111
GNETIC FIELDS INDUCED IN BIOLOGICAL	TISSUES BY THERMOGRAPHIC STUDIES ON EQUIVALENT PHANTOM MODELS	2946
TRIBUTIONS IN NORMAL AND NEOPLASTIC	TISSUES DURING HYPERTHERMIA: LUMPED PARAMETER ANALYSIS	0188
MULTILAYERED SYSTEMS OF BIOLOGICAL	TISSUES IN THE MICROWAVE RANGE	0605
ICAL PARAMETER VALUES OF SOME HUMAN	TISSUES IN THE RADIOFREQUENCY RADIATION RANGE	0310
IVITY AND 131 I-THYROXIN BINDING BY	TISSUES OF ALBINO RAT ORGANS	3432
E EXCHANGE OF CATECHOLAMINES IN THE	TISSUES OF HEALTHY RABBITS (IN RUSSIAN)	2846
ICROSPHERES BY MICROWAVE HEATING IN	TISSUES OF HYPOTHERMIC DOGS	0434
IN TRANSAMINATION PROCESSES IN THE	TISSUES OF LIVER AND THE SMALL INTESTINE OF RATS EXPOSED TO HIGH F	0146
EASUREMENT OF POWER ABSORBED IN THE	TISSUES OF MAN AND ANIMALS EXPOSED TO EM FIELDS	2840
OF FREE RADICALS IN THE ORGANS AND	TISSUES OF MICE	2488
WATER CONTENT (%) IN SOME	TISSUES OF RATS TREATED WITH NEUROCHORMONES AND IRRADIATED IN MICR	0354
EINS BONDED WITH THEM IN ORGANS AND	TISSUES OF TEST ANIMALS	1498
EFFECTS OF MICROWAVE RADIATIONS ON	TISSUES OF THE CENTRAL NERVOUS SYSTEM	2552
PROCESSES OF TRANSAMINATION IN THE	TISSUES OF THE LIVER AND SMALL INTESTINE OF RATS UNDER THE ACTION	0231
N OF ELECTROMAGNETIC ENERGY IN BODY	TISSUES PART I BIOPHYSICAL ASPECTS	3324
ON BETWEEN EM FIELDS AND BIOLOGICAL	TISSUES TO EVALUATE THE RISKS OF EXPOSURE (IN ITALIAN)	2635
IGATION OF HEAT PRODUCTION IN HUMAN	TISSUES WHEN EXPOSED TO MICROWAVES	0465
M OF ABSORPTION OF UHF EM ENERGY IN	TISSUES , AS RELATED TO THE PROBLEM OF TOLERANCE DOSAGE	0558
ELD PATTERN IN SIMULATED BIOLOGICAL	TISSUES	0145
BOLUS FOR MICROWAVE HEATING OF	TISSUES	0154
LECTIVE LOCAL HYPERTHERMIA OF TUMOR	TISSUES	0345
NEL SYSTEM FOR MICROWAVE HEATING OF	TISSUES	0422
OF ENERGY ABSORPTION IN BIOLOGICAL	TISSUES	3271
ECT OF MICROWAVES (RADAR) IN LIVING	TISSUES	3369
RED WITH ALTERNATING CURRENTS: BODY	TISSUES	3381
AVES ON THE REACTIVITY OF CELLS AND	TISSUES . IV. COMMUNICATION: EFFECT OF IRRADIATION WITH RED-LIGHT	2016
CONSTANT MAGNETIC FIELD ON NERVOUS	TISSUES . II. VOLTAGE-CLAMP STUDIES	0189
N OF ELECTROMAGNETIC ENERGY IN BODY	TISSUES . PART II. PHYSIOLOGICAL AND CLINICAL ASPECTS	2945
THE ABSORPTION OF EM ENERGY IN BODY	TISSUES : A REVIEW AND CRITICAL ANALYSIS	0596
FER OF MICROWAVES AND ULTRASOUND IN	TISSUES : CHARACTERISTICS	3323
ACTION OF ULTRASOUND AND BIOLOGICAL	TISSUES : PROCEEDINGS OF A WORKSHOP	3081
THE EFFECT OF MICROWAVES ON THE	TOBACCO BEETLE	2887
SSUES, AS RELATED TO THE PROBLEM OF	TOLERANCE DOSAGE	0558
RECOMMENDED	TOLERANCE LEVELS OF M-W ENERGY: CURRENT VIEWS OF THE GENERAL ELECT	1571
HUMAN	TOLERANCE TO LOCAL INFRARED IRRADIATION	0730
MICROWAVE RADIATION AND HUMAN	TOLERANCE : A REVIEW	0598
THE MODULATION OF CEREBRAL STATES:	TONIC ENVIRONMENTAL INFLUENCES ON LIMBIC AND RELATED SYSTEMS	2607
	TONIC RETICULAR ACTIVATING SYSTEM: RELATIONSHIP TO AVERSIVE BRAIN	1955
ND AND MICROWAVE THERAPY OF CHRONIC	TONSILLITIS IN EPILEPTIC PATIENTS	1928
SORBED POWER DENSITY INSIDE A HUMAN	TORSO	1795
MICROWAVE ATTENUATION IN THE HUMAN	TORSO	2538

ABSORBED POWER DENSITY INSIDE HUMAN	TORSOS BY 1 TO 500 MHZ EM WAVES	1608
TREATMENT OF SPASMODIC	TORTICOLLIS BY DORSAL COLUMN STIMULATION	0001
TREATMENT OF SPASMODIC	TORTICOLLIS BY DORSAL COLUMN STIMULATION	3406
NEAR VICINITY OF TRANSMISSION LINE	TOWERS	3172
A PARTIAL INVENTORY OF MICROWAVE	TOWERS , BROADCASTING TRANSMITTERS, AND FIXED RADAR BY STATES AND R	2851
A PARTIAL INVENTORY OF MICROWAVE	TOWERS , BROADCASTING TRANSMITTERS, AND FIXED RADAR BY STATES AND R	3227
EFFECTS OF EXPERIMENTAL	TOXIC HEPATITIS AND MICROWAVES ON THE FUNCTION OF HEPATIC AND RENA	1503
A REVIEW OF RADIUM	TOXICITY STUDIES	3112
SHORT ELECTRIC WAVES ON DIPHTHERIA	TOXIN INDEPENDENT OF THE HEAT FACTOR	0531
ON NUTRIENT MEDIUM COMPOSITION AND	TOXIN PRODUCTION BY Cl PERFRINGENS, TYPE D	2482
E OF LOW FREQUENCY EM FIELDS ON THE	TOXINE GENERATING POTENTIAL OF THE TETANIC BACILLUS	1998
DIPHTHERIAE AND CLOSTRIDIUM WELCHII	TOXINS	1294
CHANGES IN SOME BLOOD	TRACE ELEMENTS IN PATIENTS AND ACUTE THROMBOPHLEBITIS OF THE LOWER	2479
RADIO-FREQUENCY EXPOSURE EFFECTS ON	TRACE METAL CONTENT OF BLOOD PLASMA AND LIVER CELL FRACTIONS OF RO	1079
ASTLE DISEASE VIRUS IN CHICK EMBRYO	TRACHEAL ORGAN CULTURES (IN GERMAN)	0817
NG WHEEL, PERCEPTION REACTIONS, AND	TRAINI	0120
CHANGE IN THE PROCESSES OF	TRANSAMINATION IN THE TISSUES OF THE LIVER AND SMALL INTESTINE OF	0231
CHANGES IN	TRANSAMINATION PROCESSES IN THE TISSUES OF LIVER AND THE SMALL INT	0146
ISSIONS FROM CITIZENS RADIO SERVICE	TRANSCEIVERS	3626
EFFECTS OF	TRANSCEREBRAL ELECTROTHERAPY (ELECTROSLEEP) ON STATE ANXIETY ACCOR	1236
USE OF	TRANSCUTANEOUS ELECTRICAL STIMULATION IN THE CONTROL OF POSTOPERAT	1926
SURFACE ELECTRICAL STIMULATION (	TRANSCUTANEOUS) FOR THE RELIEF OF PAIN	1677
CROWAVE DECOUPLED BRAIN-TEMPERATURE	TRANSDUCER	0809
FEATHERS AS CONVERSE PIEZOELECTRIC	TRANSDUCERS	2458
FEATHERS AS CONVERSE PIEZOELECTRIC	TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION I. BIRD FEATH	2458
FEATHERS AS CONVERSE PIEZOELECTRIC	TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION II. BIRD FEAT	2218
S OF BIRD FEATHERS AS PIEZOELECTRIC	TRANSDUCERS AND MICROWAVE RECEPTORS	2816
FECT--A COMPARISON OF SOME POSSIBLE	TRANSDUCTION MECHANISMS	0839
CONVECTION HEAT	TRANSFER AND FLOW PHENOMENA OF ROTATING SPHERES	3304
OLE ORGAN FREEZING AND THAWING-HEAT	TRANSFER AND THERMAL PROPERTIES	3543
MOLECULAR	TRANSFER CHARACTERISTICS OF AIR BETWEEN 40 AND 140 GHZ	3261
ABSORPTION AND ENERGY	TRANSFER OF MICROWAVES AND ULTRASOUND IN TISSUES: CHARACTERISTICS	3323
THE POSSIBLE ROLE OF WATER IN	TRANSFER OF MILLIMETER RANGE RADIATION TO BIOLOGICAL OBJECTS	0241
ACCELERATION OF	TRANSFER OF TUBE PEDICLES AND FLAPS	1826
TION OF ELECTROCHEMICAL INFORMATION	TRANSFER SYSTEM, PART I: EFFECT OF ELECTRIC FIELDS ON LIVING ORGAN	0696
AVES (2450 MHZ) ON LYMPHOCYTE BLAST	TRANSFORMATION IN VITRO	2184
LYMPHOBLASTOID	TRANSFORMATION OF LYMPHOCYTES IN VITRO AFTER MICROWAVE IRRADIATION	0574
OF MORPHOLOGICAL AND PHYSIOLOGICAL	TRANSFORMATION OF MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS	0660
ZING AND IONIZING RADIATIONS ON THE	TRANSFORMING ABILITY OF E. COLI DNA	2467
THAWING OF FROZEN GRANULOCYTES FOR	TRANSFUSION	1005
REINFORCEMENT OF	TRANSIENT BRAIN RHYTHMS BY AMPLITUDE- MODULATED VHF FIELDS	1673
	TRANSIENT CURRENTS INDUCED ON A METALLIC BODY OF REVOLUTION BY AN	3175
	TRANSIENT EFFECTS OF LOW-LEVEL MICROWAVE IRRADIATION ON BIOELECTRI	0874
CHANGE OF POLY(L-LYSINE) STUDIED BY	TRANSIENT ELECTRIC BIREFRINGENCE	0859
EMOLYSIS OF HUMAN ERYTHROCYTES BY A	TRANSIENT ELECTRIC FIELD	2372
	TRANSIENT ELECTROSTATIC INDUCTION BY EHV TRANSMISSION LINES	3086
NSE OF ELECTRICALLY SHORT CABLES TO	TRANSIENT EM FIELDS	0650
INTERACTION OF EM	TRANSIENT RADIATION WITH BIOLOGICAL MATERIALS	0900
	TRANSIENT RESPONSE OF LOW FREQUENCY VERTICAL ANTENNAS TO HIGH ALTI	3098
ICROWAVE RADIATION ON THE DIGESTIVE	TRANSIT OF THE RAT	0370
STRUCTURAL	TRANSITION PRODUCED BY ELECTRIC FIELDS IN AQUEOUS SODIUM DEORYRIBO	3211
EFFECTS OF RADIOFREQUENCY FIELDS AS	TRANSLATED FROM O BIOLOGICHESKOM DEYSTVII ELEKTROMAGNITNYKH POLEY	3126
ON THE ORGANISM OF MAN AND ANIMALS (	TRANSLATION FROM RUSSIA)	3520
POSED TO MICROWAVES, PART III: LENS	TRANSLUCENCY	0798
ASSESSMENT OF LENS	TRANSLUCENCY IN JUVENILES, MICROWAVE WORKERS AND AGE-MATCHED GROUP	0892
EMR ASSOCIATED WITH ELECTRIC POWER	TRANSMISSION	1195
ICAL EFFECTS DURING RADIO FREQUENCY	TRANSMISSION	2940
SIDE EFFECTS OF HIGH VOLTAGE POWER	TRANSMISSION	3111
UNDERGROUND POWER	TRANSMISSION	3280
THE BASIC BIOLOGICAL DATA	TRANSMISSION AND CONTROL SYSTEM INFLUENCED BY ELECTRICAL FORCES	1049
RESEARCH AND DEVELOPMENT IN	TRANSMISSION AND DISTRIBUTION FOR THE ELECTRIC UTILITY INDUSTRY	3166
ICROWAVE REFLECTION DIFFRACTION AND	TRANSMISSION BY MAN	0824
RESHOLDS OF ELECTRIC SHOCK AT POWER	TRANSMISSION FREQUENCIES	2022
MICROWAVE POWER	TRANSMISSION FROM AN ORBITING SOLAR POWER STATION	2933
GS OF THE SYMPOSIUM ON EHV AC POWER	TRANSMISSION HELD BY THE JOINT AMERICAN-SOVIET COMMITTEE ON COOPER	3155

RADIO TRANSMISSION INTO BUILDINGS AT 35 AND 150 MC 3525
O INTERFERENCE FIELD OF AN OVERHEAD TRANSMISSION LINE 3020
D A PROPOSED 345 KV AC HIGH VOLTAGE TRANSMISSION LINE 3167
RENGTH NEAR A 765 KV OVERHEAD POWER TRANSMISSION LINE 3558
A PROPOSED +400 KV DC HIGH VOLTAGE TRANSMISSION LINE AND A PROPOSED 345 KV AC HIGH VOLTAGE TRANSMISSI 3167
NFLUENCE VOLTAGE CHARACTERISTICS OF TRANSMISSION LINE ASSEMBLIES USING SEMI-CONDUCTING GLAZED INSULATO 3105
GASEOUS EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA 3013
EASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA I--FIELD TESTS 2995
EASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA II--LABORATORY TESTS 2996
ICROWAVE RADIATION AND HIGH VOLTAGE TRANSMISSION LINE EFFECTS) 2369
ING POSSIBLE HEALTH EFFECTS FROM AC TRANSMISSION LINE ELECTROMAGNETIC FIELDS 0375
TRANSMISSION LINE FIELDS 3164
N AND CALIBRATION OF PARELLEL PLATE TRANSMISSION LINE FOR ELECTROMAGNETIC INTERFERENCE SUSCEPTIBILTY T 3513
NISTRATION'S PROTOTYPE 1100/1200 KV TRANSMISSION LINE PROTOTYPE 3170
ETIC FIELDS IN THE NEAR VICINITY OF TRANSMISSION LINE TOWERS 3172
O INTERFERENCE FIELD OF AN OVERHEAD TRANSMISSION LINE" 3018
ECTRIC FIELD NEAR A MULTI-CONDUCTOR TRANSMISSION LINE, INCLUDING THE EFFECTS OF VERTICAL GROUND WIRES 3103
HEALTH AND SAFETY OF HIGH VOLTAGE TRANSMISSION LINES 0111
F ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES 1006
ND CORONA EFFECTS RESEARCH PLAN FOR TRANSMISSION LINES 1890
ENERGY FLUX ALONG HIGH VOLTAGE TRANSMISSION LINES 1964
RIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES 2609
IENT ELECTROSTATIC INDUCTION BY EHV TRANSMISSION LINES 3086
ELECTRICAL EFFECTS OF TRANSMISSION LINES 3158
FFECTS ASSOCIATED WITH HIGH VOLTAGE TRANSMISSION LINES 3168
RONMENTAL CRITERIA FOR EHV OVERHEAD TRANSMISSION LINES 3169
ELECTROMAGNETIC EFFECTS OF OVERHEAD TRANSMISSION LINES 3173
OF PRECISION COAXIL, AIR DIELECTRIC TRANSMISSION LINES 3530
CE OF CONDUCTOR BUNDLES FOR 1200 KV TRANSMISSION LINES 3565
LIGHTNING PROTECTION OF 750-1150 KV TRANSMISSION LINES 3590
EY OF FARMER EXPERIENCE WITH 765 KV TRANSMISSION LINES 3613
F ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES 3617
ABOR DURING WORK ON SUBSTATIONS AND TRANSMISSION LINES AT VOLTAGES OF 400-, 500-, AND 750 KV ALTERNATI 3077
EXTREMELY HIGH VOLTAGE TRANSMISSION LINES HEALTH AND ENVIRONMENTAL EFFECTS: REQUEST FOR S 3239
EFFECT OF 765 KV TRANSMISSION LINES ON ANIMAL GRAZING HABITS 3614
THE EFFECTS OF HIGH VOLTAGE TRANSMISSION LINES ON HONEYBEES: A FEASIBILITY STUDY 2545
ELECTROMAGNETIC EFFECTS OF OVERHEAD TRANSMISSION LINES, PRATICAL PROBLEMS, SAFEGUARDS, AND METHODS OF 3104
NETIC FLUX UNDER EHV OVERHEAD POWER TRANSMISSION LINES 0166
LL REFLECTIONS IN PRECISION COAXIAL TRANSMISSION LINES 3346
ELECTRICAL & BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW 0083
ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCULATION 3010
ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZARDS AND EFFECTS 3009
SIDERED IN DESIGNING ELECTRIC POWER TRANSMISSION OF 750-1150 KV: THE MEASURING METHODS, THE DESIGN PRA 3587
TRANSMISSION OF EM PULSE INTO THE HEAD 1719
AN UPPER BOUND ON COEFFICIENT OF TRANSMISSION OF MICROWAVE LEAKAGE INTO BIOLOGICAL TISSUES 1150
THE TRANSMISSION OF REFLEXES IN THE SPINAL CORD OF CATS DURING DIRECT 1639
THE EFFECTS OF ELECTRICAL POWER TRANSMISSION RIGHTS- OF-WAY ON SMALL MAMMAL DISTRIBUTION, DIVERSIT 0184
FFECTS OF THE SOLAR POWER SATELLITE TRANSMISSION SYSTEM 0113
TRANSMISSION SYSTEMS OF ONE MILLION VOLTS TESTED 3011
THE WKB SOLUTION FOR TRANSMISSION THROUGH INHOMOGENEOUS PLANE LAYERS 3356
MICROWAVE TRANSMISSION THROUGH NORMAL AND TUMOR CELLS 0039
TOTAL ATTENUATION FOR ONE-WAY TRANSMISSION THROUGH THE ATMOSPHERE GRAPH 3260
POLLUTION BY ELECTRICAL TRANSMISSION--THE ENVIRONMENTAL IMPACT OF HIGH VOLTAGE LINES 0668
BIOLOGICAL EFFECTS RELATED TO HVDC TRANSMISSION 0300
HEALTH HAZARDS FROM POWERFUL RADIO TRANSMISSIONS 0564
S TYPES OF EQUIPMENT ON THESE POWER TRANSMISSIONS 3588
TECTION OF EXTRA HIGH VOLTAGE POWER TRANSMISSIONS 3589
AL OXIDANT PRODUCTION RATES FOR EHV TRANSMISSIONS LINES AND THEORETICAL ESTIMATES OF OZONE CONCENTRATI 3113
THE APPLICATION OF PRECISON TRANSMISSON LINES AND PRECISON CONNECTORS AS ACCURATE IMMITTANCE S 3348
DANGER: WHEN YOU TRANSMIT YOU CAN TURN OFF A PACEMAKER 3028
F EM PHANTOM MATERIALS AND INFRARED TRANSMITTANCE OF POLYETHYLENE 2669
MAPPING OF MICROWAVE POWER TRANSMITTED THROUGH THE HUMAN THORAX 0290
ION IN THE VICINITY OF A TELEVISION TRANSMITTER 2004
EFFLUX OF CALCIUM AND AN AMINO ACID TRANSMITTER (GABA) FROM BRAIN TISSUE 1989
ELECTRIC GRADIENTS CHANGE IONIC AND TRANSMITTER FLUXES IN CORTEX 1493

N TELEVISION STATIONS EMPLOYING NEW	TRANSMITTER SYSTEMS	1342
HIGH POWER PULSE	TRANSMITTERS	0825
CAL HAZARDS FROM HIGH-POWER HF BAND	TRANSMITTERS	1527
RMANCE IN THE VICINITY OF FM AND TV	TRANSMITTERS	2415
ILE AND PORTABLE TELECOMMUNICATIONS	TRANSMITTERS	2474
RTABLE AND MOBILE TELECOMMUNICATION	TRANSMITTERS	2718
E INDUCTION FIELD OF PORTABLE RADIO	TRANSMITTERS	3151
EMR IN THE VICINITY OF HIGH- POWER	TRANSMITTERS (IN GERMAN)	2712
RADIO AND TELEVISION	TRANSMITTERS AND LIVING ENVIRONMENT	0086
FECT OF MICROWAVES EMITTED BY RADAR	TRANSMITTERS ON THE ORIGINATION OF CATARACTS	3477
UREMENT OF EMR LEVELS FROM SELECTED	TRANSMITTERS OPERATING BETWEEN 54 AND 220 MHZ IN THE LAS VEGAS, NE	2802
BIOLOGICAL HAZARDS FROM HIGH POWER	TRANSMITTERS OPERATING IN THE HF BAND (SUMMARY)	3059
MS OF WORKING WITH ULTRA-SHORT-WAVE	TRANSMITTERS USED IN TELEVISION AND RADIO BROADCASTING	2556
Y OF MICROWAVE TOWERS, BROADCASTING	TRANSMITTERS , AND FIXED RADAR BY STATES AND REGIONS	2851
Y OF MICROWAVE TOWERS, BROADCASTING	TRANSMITTERS , AND FIXED RADAR BY STATES AND REGIONS	3227
	TRANSMITTING AND RECEIVING FORMULAS FOR ANTENNAS AND FIELD INTENSI	3292
RY FIELD INTENSITY SURVEYS NEAR FAA	TRANSMITTING ANTENNAS	1953
N PERSONNEL OF TELEVISION AND RADIO	TRANSMITTING STATIONS	0888
VOICE OF AMERICA BROADCASTING	TRANSMITTWRS	3501
EVALUATION OF LENS	TRANSPARENCY IN PERSONS EXPOSED TO ELECTROMAGNETIC RADIATION AT 27	3431
ATION ENERGY DEPOSITION PROFILES IN	TRANSPARENT LIQUIDS	3301
FECT OF HYPERTHERMIA ON SURVIVAL IN	TRANSPLANTED LYMPHOSARCOMA	0019
NATING MAGNETIC FIELD (12 GAUSS) ON	TRANSPLANTED NEUROBLASTOMA	1797
ADIATION ON MICROTUBULES AND AXONAL	TRANSPORT	2064
ELECTRICAL FIELD STIMULATION ON ION	TRANSPORT BY RABBIT ILEUM IN VITRO	2525
EFFECTS OF MICROWAVES ON K+ AND NA+	TRANSPORT IN HUMAN ERYTHROCYTES	1458
FIELD-INDUCED	TRANSPORT MECHANISMS IN HYDROXYAPATITE	2231
BIOCOMMUNICATIONS MEDIUM: A PROTEIN	TRANSRECEIVER SYSTEM	1670
ELECTRICAL ASPECTS OF	TRANSURETHRAL RESECTION OF PROSTATE WITH HIGH-FREQUENCY CURRENTS (	2642
PHANTOM LIMB PAIN	TREATED BY ELECTRICAL STIMULATION	3420
ECT OF MICROWAVE RADIATION ON CELLS	TREATED WITH MEMBRANE-INJURING SUBSTANCES	2717
CONTENT (%) IN SOME TISSUES OF RATS	TREATED WITH NEUROCHORMONES AND IRRADIATED IN MICROWAVE FIELD UNTI	0354
THE EFFECT OF MEAT	TREATED WITH SUPER-HIGH FREQUENCY ENERGY INFRARED RAYS ON THE SECR	2701
ER CELLS INDUCED BY RADIO-FREQUENCY	TREATMENT	0535
RSOPHILA INDUCED BY RADIO FREQUENCY	TREATMENT	0538
LAR HEATING DURING DENTAL DIATHERMY	TREATMENT	2465
FOLLOWING RADIOFREQUENCY ELECTRICAL	TREATMENT (COLEOPTERA: TENEBRIONIDAE)	1927
UHF	TREATMENT AND CALCIUM ELECTROPHORESIS IN THE THERAPY OF PYELONEPHR	2072
A MICROWAVE HYPERTHERMIA	TREATMENT AND THERMOMETRY SYSTEM	0425
CANCER	TREATMENT BY HYPERTHERMIA: INCLUDING PHANTOM STUDIES ON LOCALIZED	0357
SOIL	TREATMENT BY MICROWAVE ENERGY TO DESTROY PLANT PATHOGENS	3471
A REPLY TO THE CONCEPT OF CANCER	TREATMENT BY NMR	0852
THE CLIMACTERIC SYNDROME DURING THE	TREATMENT BY PULSE CURRENT (IN RUSSIAN)	1409
RADIO-FREQUENCY	TREATMENT FOR BREAKING DORMANCY AND CONTROLLING VIRUS INFECTIONS O	3238
VE THERAPY AS PART OF COMPREHENSIVE	TREATMENT FOR PATIENTS WITH PEPTIC ULCER	2804
F DIAPULSE THERAPY AS AN ADJUNCTIVE	TREATMENT IN ORAL SURGERY	1807
PHYSICAL	TREATMENT METHODS IN CHRONIC DISEASES OF VEINS	0259
LANOTIC HAMSTER MELANOMA TO VARIOUS	TREATMENT MODALITIES UTILIZING X-RAYS AND HYPERTHERMIA	2363
COMBINED HYPERTHERMIA AND RADIATION	TREATMENT OF A SOLID MOUSE MAMMARY ADENOCARCINOMA IN VIVO (LETTER	2819
IATION AND MICROWAVE THERAPY IN THE	TREATMENT OF ADVANCED CANCER	0012
FIELD FOR THE COMBINED CHEMOTHERMAL	TREATMENT OF BRAIN TUMORS	1240
L FOR INVESTIGATION OF HYPERTHERMIA	TREATMENT OF CANCER	1619
ECTS OF HYPERTHERMIA APPLIED TO THE	TREATMENT OF CANCER WITH SPECIAL REFERENCE TO THE ROLE OF ULTRASON	1225
MICROWAVE APPARATUS FOR THE	TREATMENT OF CANCER	0374
	TREATMENT OF CONGENITAL PSEUDARTHROSIS OF THE TIBIA WITH DIRECT CU	2778
	TREATMENT OF DISEASES OF LIMB STUMPS WITH MAGNETIC FIELD (IN RUSSI	1631
NON-INVASIVE	TREATMENT OF EXTRACTION WOUNDS IN DOGS BY ELECTROMAGNETIC STIMULAT	0209
IZATION AND PACING IN THE LONG-TERM	TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN FRENCH)	3399
USE OF DIADYNAMIC CURRENTS IN THE	TREATMENT OF INJURIES OF JOINTS (IN RUSSIAN)	2069
TECHNOLOGY FOR THE HYPERTHERMIC	TREATMENT OF LARGE SOLID TUMOURS AT 50 DEGREES CENTRIGRADE	2694
ITIES RESULTING FROM RADIOFREQUENCY	TREATMENT OF LARVAE OF TENEBRIO MOLITOR	0964
SULTING FROM RADIOFREQUENCY OR HEAT	TREATMENT OF LARVAE OR PUPAE	1976
F ELECTROPHORETIC IONIZATION IN THE	TREATMENT OF MALIGNANT TUMORS	0023
	TREATMENT OF MALIGNANT TUMORS WITH RADIOFREQUENCY REPORTED	1165
GNETIC FIELDS IN THE COURSE OF HEAT	TREATMENT OF METALS BY MEDIUM- HIGH-FREQUENCY CURRENTS (IN RUM)	3409

PATEOCEREBELLAR STIMULATION FOR THE	TREATMENT OF NEUROMUSCULAR DISORDERS	3414
DIAGNOSIS AND	TREATMENT OF NEUROPSYCHIC DISTURBANCES	2264
RENTIAL EFFECTS OF EM FIELDS IN THE	TREATMENT OF NEUROSES AND DEPRESSION	1232
	TREATMENT OF NONUNION WITH CONSTANT DIRECT CURRENT	2783
Y ALTERNATING MAGNETIC FIELD IN THE	TREATMENT OF PATIENTS WITH DEFORMING ARTHROSIS OF THE KNEE JOINTS	0278
LECTRIC FIELD ON SPERMATOGENESIS IN	TREATMENT OF PATIENTS WITH EPIDIDYMITIS	0933
DAL MODULATED CURRENT IN INTEGRATED	TREATMENT OF PATIENTS WITH SPINAL CORD DISEASES AND WITH SPASTIC A	0215
NT OF MAGNETOTHERAPY IN THE COMPLEX	TREATMENT OF PATIENTS WITH ULCERS (IN RUSSIAN)	0325
OMYCIN WITH UHF HYPERTHERMIA IN THE	TREATMENT OF SARCOMA 180 (IN RUSSIAN)	0252
	TREATMENT OF SOFT-TISSUE INJURIES BY PULSED ELECTRICAL ENERGY	1829
	TREATMENT OF SPASMODIC TORTICOLLIS BY DORSAL COLUMN STIMULATION	0001
	TREATMENT OF SPASMODIC TORTICOLLIS BY DORSAL COLUMN STIMULATION	3406
HYPERTHERMIA IN THE	TREATMENT OF THE CANCER PATIENT	0448
OF MICROWAVE FOR THE LOCALIZED HEAT	TREATMENT OF THE PROSTRATE	0268
GICAL EFFECTIVENESS OF HYPERTHERMIC	TREATMENT OF TISSUE	0247
SSESSMENT OF THE METHOD OF MAGNETIC	TREATMENT OF WATER IN THE HOT WATER SUPPLY SYSTEM (IN RUSSIAN)	2603
A: A BIOPHYSICAL APPROACH TO CANCER	TREATMENT VIA INTRACELLULAR TEMPERATURE AND BIOPHYSICAL ALTERATION	0076
ION OF THE ISOLATED RAT HEART AFTER	TREATMENT WITH ANS BLOCKING AGENTS	2749
SURVIVAL OF CANINE KIDNEYS AFTER	TREATMENT WITH DIMETHYL- SULFOXIDE, FREEZING AT -80 DEGREES CELSIU	2698
ICROWAVE (MW) IRRADIATION FOLLOWING	TREATMENT WITH PHARMACOLOGIC AGENTS	1460
CANCER '	TREATMENT ' IS ALL AT SEA	1968
THE CLINIC, PATHOGENESIS,	TREATMENT , AND OUTCOME OF RADIOWAVE SICKNESS	1441
WAVE-INDUCED HYPERTHERMIA IN CANCER	TREATMENT : APPARATUS AND PRELIMINARY RESULTS	3418
DOUGLAS-FIR	TREE SEED GERMINATION ENHANCEMENT USING MICROWAVE ENERGY	1977
REPORT OF THE ARPA/	TRI-SERVICE MILLIMETER WAVE WORKSHOP	3240
THE	TRI-SERVICE PROGRAM--A TRIBUTE TO GEORGE M. KNAUF, USAF (MC)	1117
ICROWAVES AND IONIZING RADIATION IN	TRIBOLIUM CONFUSUM	0035
THE TRI-SERVICE PROGRAM--A	TRIBUTE TO GEORGE M. KNAUF, USAF (MC)	1117
L CURRENTS ON CULTURED CHICK EMBRYO	TRIGEMINAL GANGLIA	3267
ERIAN GANGLION AND ITS ROOTLETS FOR	TRIGEMINAL NEURALGIA	1874
NAL CORD STEREOTACTIC TECHNIQUES RE	TRIGEMINAL NUCLEOTOMY AND EXTRALEMNISCAL MYELOTOMY	3426
COAGULATION OF GASSER'S GANGLION IN	TRIGEMINAL PAINS (IN SPANISH)	2859
THE BEHAVIOR OF	TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS	2086
S OF 45 HZ MAGNETIC FIELDS ON LIVER	TRIGLYCERIDES IN MICE	0927
CT OF EM ENERGY ON THE FORMATION OF	TRIGLYCERIDES : FREQUENCY INFLUENCE	1130
MR OF VHF ON THE SENSITIVITY TO THE	TRIIODOETHYL SALT OF GALLIUM AND TO THE HEXAMETHYL IDONIUM SALT ON	0861
Y 2450 MHZ MICROWAVE RADIATION IN A	TRILAYERED SPHERICAL PHANTOM	1816
CROWAVE RADIATON ON LIVER ADENOSINE	TRIPHOSPHATE (ATP)	0812
DOSE RATE DISTRIBUTION IN	TRIPLE-LAYERED DIELECTRIC CYLINDER WITH IRREGULAR CROSS SECTION IR	1122
RGY ABSORPTION PATTERNS IN CIRCULAR	TRIPLE-LAYERED TISSUE CYLINDERS EXPOSED TO PLANE WAVE SOURCES	0851
IELD DEPENDENCE OF THE YIELD OF THE	TRIPLET STATE IN REACTION CENTERS OF PHOTOSYNTHETIC BACTERIA	2401
UPTAKE OF	TRITIATED THYMIDINE DURING ELECTRICAL STIMULATION OF INDUCED CORTI	2233
THE	TRONADO MICROWAVE MACHINE: A FURTHER REPT	1969
VARIATION OF SERUM	TRYGLYCERIDES RATE UNDER THE ACTION OF EM WAVES: POWER LEVEL INFLU	1129
MOUSE AND RAT AGAINST EXPERIMENTAL	TRYPANOSOMA	1773
ION BETWEEN THE COURSE OF ACTION OF	TRYPANOSOMA EQUIPERDUM, AND THE ACTION OF PULSED AND MODULATED EM	0959
IC FIELDS COMBINED WITH EM WAVES ON	TRYPANOSOMATIC ORCHITIS OF THE RABBIT	0866
D WITH EM WAVES ON THE EXPERIMENTAL	TRYPANOSOMES OF THE RABBIT	1774
INFARCTION OF FALLOPIAN TUBE AFTER	TUBAL DIATHERMY	0846
INFARCTION OF FALLOPIAN	TUBE AFTER TUBAL DIATHERMY	0846
MENT PERFORMANCE IN MEASURING X-RAY	TUBE CURRENT AND MAS	0630
MAGNETIC SCATTERING FROM A CIRCULAR	TUBE OF FINITE LENGTH	3303
ACCELERATION OF TRANSFER OF	TUBE PEDICLES AND FLAPS	1826
TER ELECTROTHERMOCOAGULATION OF THE	TUBERO-INFUNDIBULAR REGION OF THE HYPOTHALAMUS AND SIMULTANEOUS RE	2855
HIGH-POWER MICROWAVE	TUBES	0833
REPT. OF WORK IN PROGRESS AT	TUFTS U.	1466
REVIEW OF THE WORK CONDUCTED AT	TUFTS U.--EXPERIMENTAL RADIATION CATARACTS INDUCED BY MICROWAVE RA	1574
REVIEW OF THE WORK CONDUCTED AT	TULANE U.--INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE I	1577
AND THE VIRULENCE OF AGROBACTERIUM	TUMEFACIENS STRAIN B6	0022
ICALLY ENCAPSULATED MALIGNANT MOUSE	TUMOR	2739
ON THE RESPONSE OF A MOUSE MAMMARY	TUMOR	3423
YPERTHERMIA: HEALING AND HAZARD IN	TUMOR BEARING RATS	2649
CURE OF A SOLID	TUMOR BY SIMULTANEOUS ADMINISTRATION OF MICROWAVES AND X-RAY IRRAD	1958
AVE TRANSMISSION THROUGH NORMAL AND	TUMOR CELLS	0039
MICROWAVE CHARACTERISTICS OF HUMAN	TUMOR CELLS	0807

MICROWAVE ABSORPTION BY NORMAL AND	TUMOR CELLS	1971
RADIATION SENSITIZATION OF	TUMOR CELLS BY MICROWAVES--END OF OXYGEN PROBLEMS? (IN GERMAN)	2623
MICROWAVE CHARACTERISTICS OF HUMAN	TUMOR CELLS	3262
ANIMAL EXPERIMENT: TUMOR GROWTH AND	TUMOR CURE (IN GERMAN)	0008
	TUMOR CURE AND CELL SURVIVAL AFTER LOCALIZED RADIOFREQUENCY HEATIN	2120
	TUMOR DETECTION BY NUCLEAR MAGNETIC RESONANCE	1967
DETECTION ENHANCEMENT THERMOGRAPHIC	TUMOR DETECTION ENHANCEMENT	0050
DETECTION ENHANCEMENT THERMOGRAPHIC	TUMOR DETECTION ENHANCEMENT THERMOGRAPHIC TUMOR DETECTION ENHANCEM	0050
THERMOGRAPHIC	TUMOR DETECTION ENHANCEMENT THERMOGRAPHIC TUMOR DETECTION ENHANCEM	0050
TER-WAVE THERMOGRAPHY - A SURVEY ON	TUMOR DETECTION	0229
NORMAL TISSUE & SOLID	TUMOR EFFECTS OF HYPERTHERMIA IN ANIMAL MODELS AND CLINICAL TRIALS	0190
	TUMOR ERADICATION BY RADIOFREQUENCY THERAPY	0741
	TUMOR ERADICATION BY RADIOFREQUENCY THERAPY	0836
	TUMOR ERADICATION IN THE RABBIT BY RADIOFREQUENCY HEATING	2585
HZ) EFFECTS ON IN VIVO AND IN VITRO	TUMOR GROWTH	1162
ROWAVE OR WATERBATH HYPERTHERMIA ON	TUMOR GROWTH	2768
RETARDED	TUMOR GROWTH AND GREATER LONGEVITY IN MICE AFTER FETAL IRRADIATION	0026
ORADIOTHERAPY IN ANIMAL EXPERIMENT:	TUMOR GROWTH AND TUMOR CURE (IN GERMAN)	0008
INHIBITION OF EXPERIMENTAL	TUMOR GROWTH IN HAMSTERS BY SMALL DIRECT CURRENTS	2619
INHIBITION OF	TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC-	0053
INHIBITION OF	TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND	2753
SELECTIVE	TUMOR HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY	0364
GENTS PRODUCED BY MICROWAVE-INDUCED	TUMOR HYPERTHERMIA AND DIFFERENTIAL HYPOTHERMIA IN A MURINE GLIOMA	2364
LOCAL	TUMOR HYPERTHERMIA IN COMBINATION WITH RADIATION THERAPY. 1.MALIGN	2618
EFFECTS OF LOCAL	TUMOR HYPERTHERMIA ON THE GROWTH OF SOLID MOUSE TUMORS	0333
	TUMOR HYPERTHERMY BY MEANS OF RADIOFREQUENCY IN ORDER TO ENHANCE O	1806
MICROWAVES INHIBIT	TUMOR INDUCTION	1970
TION HYPERTHERMIA ON HUMAN SKIN AND	TUMOR RESPONSE	2341
	TUMOR SYNCHRONIZATION BY MICROWAVES (IN GERMAN)	1188
HEAT IN	TUMOR THERAPY	0648
SELECTIVE OCCLUSION OF	TUMOR TISSUE CAPILLARIES BY HYPERTHERMIA SHOCK DURING HYPERGLYCEMI	0096
FOR SELECTIVE LOCAL HYPERTHERMIA OF	TUMOR TISSUES	0345
HEMATOPOIETIC SYSTEM OF INTACT AND	TUMOR-BEARING ANIMALS	0102
ATION IN THE TREATMENT OF MALIGNANT	TUMORS	0023
DIATHERMIC HEATING IN EXPERIMENTAL	TUMORS	0036
NED CHEMOTHERMAL TREATMENT OF BRAIN	TUMORS	1240
FECTS IN MAN AND SPONTANEOUS ANIMAL	TUMORS	2063
E RADIATION (MR) HEATING OF SURFACE	TUMORS	2322
L HAZARDS OF HERTZIAN RADIATION AND	TUMORS	2374
ELECTIVE ELECTROMAGNETIC HEATING OF	TUMORS	3393
ADIATION OF SIMULACRA WITH EMBEDDED	TUMORS AND AS INDUCED BY EM FIELDS IN A MODEL OF A HUMAN BODY	2732
D IMMUNITY TO LOCAL HYPERTHERMIA OF	TUMORS AND ITS POTENTIATION BY IMMUNOSTIMULATION- A REVIEW	0340
ICROWAVE HEATING OF MALIGNANT MOUSE	TUMORS AND TISSUE EQUIVALENT PHANTOM SYSTEMS	1116
ELECTIVE HEATING OF CUTANEOUS HUMAN	TUMORS AT 27.12 MHZ	0048
TION OF HYPERTHERMIA IN DEEP-SEATED	TUMORS BY A SPECIAL MICROWAVE APPLICATOR	0335
FIELD IRRADIATION OF MULTIPLE MOUSE	TUMORS FOR MICROWAVE HYPERTHERMIA	0322
Y CORE HYPOTHERMIA ON BLOOD FLOW IN	TUMORS HEATED WITH MICROWAVE RADIATION	2530
SELECTIVE EM HEATING OF	TUMORS IN ANIMALS IN DEEP HYPOTHERMIA	1957
REMENTS OF ELECTRICAL PROPERTIES OF	TUMORS IN MICE	2455
PMENT OF METHYLCHOLANTHRENE-INDUCED	TUMORS IN MICE UNDER THE ENVIRONMENTAL INFLUENCE OF VARIOUS ELECTR	2702
FOR BATCH MICROWAVE IRRADIATION OF	TUMORS IN THE FAR FIELD	2453
REQUENCY THERMOTHERAPY ON MALIGNANT	TUMORS OF THE LUNG	0107
VASCULAR ALTERATIONS IN GLIAL	TUMORS PRODUCED BY MICROWAVE HEATING	2531
INCREASED BLOOD FLOW IN GLIAL	TUMORS PRODUCED BY MICROWAVE HEATING	2534
ALTERATIONS IN BLOOD FLOW IN GLIAL	TUMORS PRODUCED BY MICROWAVE HEATING AND TEMPERATURE GRADIENTS	2529
TREATMENT OF MALIGNANT	TUMORS WITH RADIOFREQUENCY REPORTED	1165
MICROWAVES IN RADIOTHERAPY OF	TUMORS--ALTERNATIVE TO HEAVY PARTICLES?	0906
MICROWAVES HELP DETECT	TUMORS	0157
IAL ONCOLYSIS ON EXPERIMENTAL MOUSE	TUMORS	0323
FOR MICROWAVE HYPERTHERMIA OF HUMAN	TUMORS	0329
HERMIA ON THE GROWTH OF SOLID MOUSE	TUMORS	0333
EFFECTS OF MICROWAVES ON NORMAL AND	TUMOUR CELLS AS SEEN BY LASER-RAMAN SPECTROSCOPY	1131
METABOLIC TIME CLOCKS OF NORMAL AND	TUMOUR CELLS: A LASER-RAMAN STUDY	3264
ARED STUDIES OF ISOLATED NORMAL AND	TUMOUR DNA	3263
FOCUSED MICROWAVE ARRAY SYSTEM FOR	TUMOUR IRRADIATION	0296

RADIO FREQUENCY ERADICATION OF	TUMOURS	2230
PERTHERMIC TREATMENT OF LARGE SOLID	TUMOURS AT 50 DEGREES CENTRIGRADE	2694
RADIOFREQUENCY HEATING OF	TUMOURS IN RODENTS	2460
VATION ENERGIES FOR SUPERCONDUCTIVE	TUNNELING IN BIOLOGICAL SYSTEMS AT PHYSIOLOGICAL TEMPERATURES	0458
TIONS ON HATCHABILITY AND GROWTH OF	TURKEYS	1974
EFFECTS OF APPLIED CURRENTS ON	TURTLE CONES IN DARKNESS AND DURING THE PHOTORESPONSE	2640
RATE EFFECTS IN ISOLATED	TURTLE HEARTS INDUCED BY MICROWAVE IRRADIATION	1029
EFFECTS OF MICROWAVES ON THE OCULAR	TUSSUES OF ANIMALS	1362
OF ESCHERICHIA COLI AND SOLMONELLA	TYPHIMURIUM IN MICROWAVE-COOKED SOUPS	0814
USING SWEPT FREQUENCY EXCITATION -	UCRL-51266	3049
AND CONDUCTIVITY OF BODY TISSUES AT	UHF	0559
TISSUE SUBJECTED TO AN EM FIELD OF	UHF	0618
RBORNE ANTENNA NOISE TEMPERATURE AT	UHF	3177
COMBINED EFFECTS OF	UHF AND SOFT X-RADIATION ON ANIMALS	1366
FIELD INTENSITIES NEAR A HIGH POWER	UHF BROADCAST INSTALLATION	0754
POPULATION EXPOSURE TO VHF AND	UHF BROADCAST RADIATION IN THE UNITED STATES	0104
SIGNAL POLARIZATIONS IN THE VHF AND	UHF BROADCAST SPECTRUM	1718
INTESTINE UNDER THE INFLUENCE OF A	UHF ELECTRIC FIELD	1856
THE INFLUENCE OF	UHF ELECTRIC FIELD ON SPERMATOGENESIS IN TREATMENT OF PATIENTS WIT...	0933
EFFECT OF A	UHF ELECTRIC FIELD ON SPERMATOGENESIS	0224
EFFECT OF	UHF ELECTRICAL FIELD ON THE BLOOD CLOTTING SYSTEM IN ANIMALS (IN R...	2226
CEPTION OF ILLUMINATION WITH PULSED	UHF EM ENERGY	0479
A RESTRAINT DEVICE FOR CATS IN AN	UHF EM ENERGY FIELD	1045
THE MECHANISM OF ABSORPTION OF	UHF EM ENERGY IN TISSUES, AS RELATED TO THE PROBLEM OF TOLERANCE D...	0558
S CORNEUS/ UNDER THE INFLUENCE OF A	UHF EM FIELD	1500
PHYTOTOXICITY OF A	UHF EM FIELD	1975
THE NERVOUS SYSTEM IN REACTIONS TO	UHF EM FIELDS	0525
N WORKERS EXPOSED TO THE EFFECTS OF	UHF EM FIELDS	1515
TION OF THE EFFECT OF LOW-INTENSITY	UHF EM WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS	1633
EFFECT OF SMALL DOSES OF	UHF EM WAVES ON SOME INDICES OF RENAL FUNCTION AND WATER-SALT META	1629
BIOLOGICAL EFFECTS OF	UHF EMR (RADAR) (IN FRENCH)	0508
MAXIMUM ADMISSIBLE VALUES OF HF AND	UHF EMR AT WORK PLACES IN CZECHOSLOVAKIA	1544
USE OF CHEMICAL PREPARATIONS DURING	UHF EMR IRRADIATION: A REVIEW OF THE LIT. (IN RUSSIAN)	0517
THE EFFECT OF	UHF EMR ON THE IMMUNOBIOLOGICAL PROPERTIES OF THE ORGANISM	0459
SSOCIATED WITH LOW-INTENSITY PULSED	UHF ENERGY	1036
BRAIN STEM DURING ILLUMINATION WITH	UHF ENERGY	1037
PULSE MODULATED	UHF ENERGY ILLUMINATION OF THE HEART ASSOCIATED WITH CHANGE IN HEA...	1040
ON THE PENETRATION OF	UHF ENERGY THROUGH THE HEAD	2269
X-RADIATION IN	UHF EQUIPMENT	1339
RAIN STRUCTURES UNDER THE EFFECT OF	UHF FIELD OF LOW INTENSITY (IN RUSSIAN)	1399
EFFECT OF	UHF FIELD OF SMALL INTENSITY ON INDICES OF THE CARDIOVASCULAR AND...	2079
EFFECT OF A	UHF FIELD ON THE COURSE OF HYPERTENSIVE DISEASE	1507
F BIOLOGIC MATTER DURING THAWING IN	UHF FIELD. (IN RUSSIAN)	0276
OSURE OF A POPULATION OF RODENTS TO	UHF FIELDS	1693
COMBINATION OF CARMINOMYCIN WITH	UHF HYPERTHERMIA IN THE TREATMENT OF SARCOMA 180 (IN RUSSIAN)	0252
ANALYSIS OF AIRBORNE VHF/	UHF INCIDENTIAL NOISE OVER METROPOLITAN AREAS	3180
EFFECTS OF	UHF MAGNETIC FIELDS ON DEVELOPMENT OF ARTERIAL AND LYMPHATIC COLLA	2810
USE BONE MARROW REACTION TO ALTERED	UHF MILLIMETER IRRADIATION PARAMETRIC VARIATION	1485
DEVELOPMENT OF VHF AND	UHF PROPAGATION CURVES FOR TV AND FM BROADCASTING	3523
SOME EFFECTS ON HUMAN SUBJECTS OF	UHF RADIATION	0601
FORECASTING THE INTENSITY OF	UHF RADIATION	1395
BEHAVIORAL EFFECTS OF LOW INTENSITY	UHF RADIATION	1542
EHAVIORAL EFFECTS OF STIMULATION BY	UHF RADIO FIELDS	0471
ANIMALS IN PROLONGED IRRADIATION BY	UHF RADIOWAVES	0975
ITY MONITORING AND MEASUREMENTS FOR	UHF SATELLITE EARTH TERMINALS	3510
	UHF TREATMENT AND CALCIUM ELECTROPHORESIS IN THE THERAPY OF PYELON...	2072
THE EFFECT OF	UHF WAVES ON HEMOPOIESIS (EXPERIMENTAL INVESTIGATION)	2006
THE HYPOPHYSIS UNDER THE EFFECT OF	UHF-FIELD (IN RUSSIAN)	1637
CALORIC VESTIBULAR STIMULATION VIA	UHF-MICROWAVE IRRADIATION	0609
RMAL EFFECTS DERIVED FROM LOW LEVEL	UHF-MICROWAVE IRRADIATION OF THE HEAD: INDIRECT CALORIC VESTIBULAR	0524
LATEST DEVELOPMENTS IN	UHF-THERAPY DOSIMETRY PROCEDURES	0745
NTS AND OBSERVATIONS, NEW YORK CITY	UHF-TV PROJECT	3522
10 FEET ABOVE GROUND- NEW YORK CITY	UHF-TV PROJECT	3524
TI-LAYERED SPHERE MODELS EXPOSED TO	UHF /MICROWAVE RADIATION	1715
PROGRESS REPORT OF EPRI PROJECT	UHV	3124

EHV AND	UHV ELECTROSTATIC EFFECTS: SIMPLIFIED DESIGN CALCULATIONS AND PREV	3127
DEVELOPMENT OF EHV AND	UHV SYSTEMS IN THE USSR	3582
TREATMENT FOR PATIENTS WITH PEPTIC	ULCER	2804
DUODENAL	ULCER IN PERSONS OCCUPATIONALLY EXPOSED TO MICROWAVE RADIATION	1854
COMPLEX TREATMENT OF PATIENTS WITH	ULCERS (IN RUSSIAN)	0325
GNETIC FIELD EFFECT UPON HEALING OF	ULCERS OF THE LOWER EXTREMITIES (IN RUSSIAN)	2719
HIELDING EFFECT OF MATERIALS IN THE	ULF, ELF AND VLF REGION	1183
-INTENSITY ELECTROMAGNETIC FIELD OF	ULTRA HIGH FREQUENCY RANGE ON THE COURSE OF SLOW ALLERGIC REACTION	0344
AN	ULTRA-BROADBAND PROBE FOR RF RADIATION MEASUREMENTS	2279
THE EFFECT OF AN	ULTRA-HIGH FREQUENCY FIELD ON THE FUNCTIONS OF THE NERVOUS SYSTEM	2025
LECULAR RESPONSE CHARACTERISTICS TO	ULTRA-HIGH FREQUENCY FIELDS	1562
BIOLOGICAL EFFECT OF	ULTRA-HIGH FREQUENCY FIELDS OF VARIED INTENSITY	2870
EXPERIMENTAL INJURY TO THE EYE WITH	ULTRA-HIGH-FREQUENCY EM FIELDS	1859
CATARACTS AND	ULTRA-HIGH-FREQUENCY RADIATION	3607
	ULTRA-LOW-FREQUENCY ATMOSPHERICS	0971
STUDIES OF PERSONNEL EXPOSED TO EM	ULTRA-SHORT WAVE SOURCES IN TELEVISION AND RADIO BROADCASTING STAT	1344
ABORTION FOLLOWING	ULTRA-SHORT-WAVE HYPERTHERMIA ANIMAL EXPERIMENTS	2883
AL HYGIENE PROBLEMS OF WORKING WITH	ULTRA-SHORT-WAVE TRANSMITTERS USED IN TELEVISION AND RADIO BROADCA	2556
THE BIOLOGICAL ACTION OF	ULTRAHIGH FREQUENCIES	3444
CANCE OF EM FIELDS OF SUPERHIGH AND	ULTRAHIGH FREQUENCIES IN DENSELY POPULATED AREAS	0889
ECTRIC CONSTANT AND CONDUCTIVITY AT	ULTRAHIGH FREQUENCIES	3338
MEASUREMENTS OF MATERIALS AT	ULTRAHIGH FREQUENCIES	3342
TISSUE SUBJECTED TO AN EM FIELD OF	ULTRAHIGH FREQUENCY	2044
	ULTRAHIGH FREQUENCY ELECTROMAGNETIC RADIATION UTILIZED FOR AQUATIC	3119
THE EFFECT OF THE PULSE	ULTRAHIGH FREQUENCY EM FIELD ON THE SERUM CHOLESTEROL CONTENT OF R	0693
ON THE EFFECT OF THE	ULTRAHIGH FREQUENCY FIELD ON CERTAIN PATHOGENIC MICROORGANISMS	1506
WORK WITH	ULTRAHIGH FREQUENCY IMPULSE GENERATORS FROM THE POINT OF VIEW OF W	3441
TION IN PERSONS HANDLING SOURCES OF	ULTRAHIGH RADIO FREQUENCIES BASED ON THE RESULTS OF RHEOGRAPHIC EX	1499
TIONS FOR HANDLING SOURCES OF HIGH,	ULTRAHIGH , AND SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELDS	3109
TO A CONSTANT MAGNETIC FIELD AND TO	ULTRAHIGH- AND SUPERHIGH-FREQUENCY EM FIELDS	1486
	ULTRAHIGH-FREQUENCY EM FIELDS FOR WEED CONTROL: PHYTOTOXICITY AND	2134
SULTING FROM CHRONIC EXPOSURE TO AN	ULTRAHIGH-FREQUENCY FIELD	1939
METABOLISM IN ANIMALS EXPOSED TO AN	ULTRAHIGH-FREQUENCY FIELD	2327
AND INTERMITTENT IRRADIATION BY AN	ULTRAHIGH-FREQUENCY FIELD ON THE RABBIT EYE	1860
ONS IN THE BODY ON THE INTENSITY OF	ULTRAHIGH-FREQUENCY RADIATION	1694
COMBINED EFFECT OF	ULTRAHIGH-FREQUENCY RADIATION AND HYPEROXIA ON ANIMALS	2826
	ULTRAHIGH-FREQUENCY THERAPY IN CERTAIN AFFECTIONS OF THE PERIPHERA	3451
DISTRIBUTION OF	ULTRASHORT WAVE FIELDS IN THE VICINITIES OF URBAN TELEVISION CENTE	1440
ATION OF EM FIELDS IN THE SHORT AND	ULTRASHORT WAVE RANGES	2555
EFFECT OF EM	ULTRASHORT WAVELENGTH FIELDS (155 AND 191 MHZ) ON THE SURVIVAL RAT	1354
EFFECT OF SHORT AND	ULTRASHORT WAVES ON THE BREEDING CAPACITY OF MALE RATS	1360
LUATION OF THE BIOLOGICAL EFFECT OF	ULTRASHORT WAVES ON THE VISUAL ORGAN	1345
ON THE RADIO PROTECTION EXERTED BY	ULTRASHORT WAVES WITH RESPECT TO BACTERIA (IN FRENCH)	2627
TH SPECIAL REFERENCE TO THE ROLE OF	ULTRASONIC AND MICROWAVE HEATING	1225
IMMERSION	ULTRASONIC BRAIN EXAMINATION -360 DEGREE COMPOUND SCAN	3377
E EVALUATION OF ELECTROMAGNETIC AND	ULTRASONIC DIATHERMY	3534
FFECTS OF EXPOSURE TO MICROWAVES OR	ULTRASONIC ENERGY--AN OVERVIEW	1596
N-LINE RF POWER METERS FOR USE WITH	ULTRASONIC INSTRUMENTATION, (FDA) 73-8030, BRH/DEP N73-3	3044
THE BIOLOGICAL ACTION OF	ULTRASONIC SOUND AND SUPER HIGH- FREQUENCY EM FIELDS IN THE THREE-	2051
SURVEY OF USE AND PERFORMANCE OF	ULTRASONIC THERAPY EQUIPMENT IN PINELLAS COUNTY, FLA	0638
MICROWAVE	ULTRASONICS	3378
INTERACTION OF	ULTRASOUND AND BIOLOGICAL TISSUES: PROCEEDINGS OF A WORKSHOP	3081
COMPARATIVE ASSESSMENT OF	ULTRASOUND AND MICROWAVE THERAPY OF CHRONIC TONSILLITIS IN EPILEPT	1928
USE OF SINUS-MODULATED CURRENTS AND	ULTRASOUND IN OBLITERATIVE DISEASES OF THE LOWER LIMBS (IN RUSSIAN	2707
D ENERGY TRANSFER OF MICROWAVES AND	ULTRASOUND IN TISSUES: CHARACTERISTICS	3323
EFFECT OF DIAGNOSTIC	ULTRASOUND ON MATERNAL AND FETAL CHROMOSOMES	2938
S CELSIUS, INFRARED, MICROWAVE, AND	ULTRASOUND)	0932
THE TESTES OF RATS BY MICROWAVE OR	ULTRASOUND-INDUCED HYPERTHERMIA	0125
RETINA:	ULTRASTRUCTURAL ALTERATIONS PRODUCED BY EXTREMELY LOW LEVELS OF CO	0947
HISTOCHEMICAL AND	ULTRASTRUCTURAL ANALYSIS OF THE EFFECT OF EMR ON RAT LIVER AND BRA	2356
	ULTRASTRUCTURAL CHANGES IN THE RABBIT LENS INDUCED BY MICROWAVE RA	1069
CLINICAL AND	ULTRASTRUCTURAL INVESTIGATIONS OF ELECTRICAL ENHANCEMENT OF BONE H	2244
FFECTS OF 2.45-GHZ RADIATION ON THE	ULTRASTRUCTURE OF THE CEREBRAL CORTEX AND ON HEMATOLOGIC PROFILES	2766
CENTERS OF PROTEINS IRRADIATED WITH	ULTRAVIOLET LIGHT	1476
BIOLOGICAL ASPECTS OF	ULTRAVIOLET RADIATION	0953

TANDARDS AND GUIDES FOR MICROWAVES,	ULTRAVIOLET RADIATION AND RADIATION FROM LASERS AND TELEVISION REC	0597
ANDARDS, AND GUIDES FOR MICROWAVES,	ULTRAVIOLET RADIATION, AND RADIATION FROM LASERS AND TELEVISION RE	0562
S UNDER THE CONDITIONS OF DIFFERENT	ULTRAVIOLET RADIATIONS (IN RUSSIAN)	2715
FIELD MEASUREMENT OF	ULTRAVIOLET , INFRARED, AND MICROWAVE ENERGIES	0687
OF VAGAI NUCLEI IN ANESTHETIZED AND	UNANESTHETIZED CATS	3405
ATHOLOGY AFTER REPEATED EXPOSURE OF	UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES	0174
	UNCERTAINTIES IN THE EVALUATION OF THE BIOLOGICAL EFFECTS OF MICRO	0679
	UNDERGROUND POWER TRANSMISSION	3280
OF ELECTRIC CURRENT REMAIN LARGELY	UNEXPLORED	1220
THE BEHAVIOR OF	UNICELLULAR ORGANISMS IN AN EM FIELD	1729
L AND EXPERIMENTAL INVESTIGATION OF	UNICELLULAR ORGANISMS WITH 3-CM MICROWAVES	3212
THE BEHAVIOR OF TRIGGERED	UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS	2086
S AT MICROWAVE FREQUENCIES USING AN	UNMATCHED PHASE CHANGER	3336
S AND IRRADIATED IN MICROWAVE FIELD	UNTIL THERMAL DEATH. (IN POLISH)	0354
CROWAVES FOR BIOLOGISTS, MICROWAVES	UPDATED	2834
RADIO-FREQUENCY RADIATION LEVELS IN	URBAN AREAS	2734
GNETIC ENVIRONMENT SURVEY OF U.S.A.	URBAN AREAS	3153
NONIONIZING RADIATION EXPOSURE IN	URBAN AREAS OF THE UNITED STATES	2056
RT WAVE FIELDS IN THE VICINITIES OF	URBAN TELEVISION CENTERS	1440
NALYSIS OF RADIO FREQUENCY NOISE IN	URBAN , SUBURBAN, AND RURAL AREAS	3611
EVERSAL OF COLD-INDUCED DORMANCY OF	UREDOSPORES BY MICROWAVE AND INFRARED IRRADIATION	3473
CY HYPERTHERMIA IN CARCINOMA OF THE	URINARY BLADDER: EXPERIMENTAL AND CLINICAL RESULT. (IN GERMAN)	0216
UR-HOUR RHYTHM AND TWENTY-FOUR-HOUR	URINARY EXCRETION OF SEVENTEEN HYDROXYCORTICOIDS AND SEVENTEEN KET	1133
ELECTROLYTE LEVELS OF THE BLOOD AND	URINE IN RATS	1357
ACID LEVEL IN THE ORGANS AND DAILY	URINE OF ANIMALS EXPOSED TO LOW INTENSITY 10 CM WAVES	1358
RENT THERAPY OF MEN WITH VEGETATIVE	UROGENITAL COMPLAINTS (IN GERMAN)	0018
ELECTROSURGERY BURNS AND THE	UROLOGIST	1872
INCREASED	UTERINE ACTIVITY AND FETAL DETERIORATION DURING MATERNAL HYPERTHER	2866
AFTER DIATHERMIC COAGULATION OF THE	UTERINE CERVIX (IN BULGARIAN)	1407
MICROWAVE HEATING OF THE	UTERINE WALL DURING PARTURITION	0467
MICROWAVE HEATING OF THE	UTERINE WALL DURING PARTURITION	3391
OUS EFFECTS ON THE HUMAN- EMBRYO IN	UTERO	3422
EXPOSURE OF RATS IN	UTERO THROUGH EARLY LIFE TO 2450 MHZ (CW) MICROWAVE RADIATION: EFF	2902
FFECTS OF ELECTRICAL STIMULATION OF	VAGAI NUCLEI IN ANESTHETIZED AND UNANESTHETIZED CATS	3405
F MILLIMETER IRRADIATION PARAMETRIC	VARIATION	1485
	VARIATION IN THE SURFACE-CHARGE DENSITY OF AN EXCITABLE NERVE MEMB	1839
PROPAGATION, AMPLITUDE AND TEMPORAL	VARIATION OF EXTREMELY LOW FREQUENCY (0-100 HZ) EM FIELDS	1663
	VARIATION OF SERUM TRYGLYCERIDES RATE UNDER THE ACTION OF EM WAVES	1129
	VARIATIONS BETWEEN MEASURED AND BIOLOGICALLY EFFECTIVE MICROWAVE D	3368
EVIDENCE THAT GEOMAGNETIC	VARIATIONS CAN BE DETECTED BY LORENZINIAN AMPULLAE	0404
LEAKAGE	VARIATIONS FROM MICROWAVE OVENS, BRH/DEP 70-11	3030
LEAKAGE	VARIATIONS FROM MICROWAVE OVENS	3228
POWER	VARIATIONS IN MICROWAVE EXPOSURE RESULTING FROM DIFFERENT SOURCE G	1221
	VARIATIONS OF EXCITABILITY AND OF NERVOUS CONDUCTION UNDER THE INF	0818
	VARIATIONS OF HEMOPOIESIS DUE TO MICROWAVE RADIATION	1346
	VARIATIONS OF THE NEUROSECRETORY FUNCTION OF THE HYPOTHALAMUS AND	1352
T OF ULTRA-HIGH FREQUENCY FIELDS OF	VARIED INTENSITY	2870
	VASCULAR ALTERATIONS IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING	2531
	VASCULAR CHANGES IN ANTERIOR SEGMENT OF THE EYE IN WORKERS SUBJECT	2073
BBIT EARS: SURFACE TEMPERATURES AND	VASCULAR RESPONSES	2912
G BETWEEN 54 AND 220 MHZ IN THE LAS	VEGAS , NEVADA, AREA	2802
ETIC RADIATION UTILIZED FOR AQUATIC	VEGETATION CONTROL	3119
VIABILITY STUDIES ON ASCOPORES AND	VEGETATIVE CELLS OF SACCHAROMYCES CEREVISIAE EXPOSED TO MICROWAVES	2355
FERENCE-CURRENT THERAPY OF MEN WITH	VEGETATIVE UROGENITAL COMPLAINTS (IN GERMAN)	0018
ENERGY DENSITIES IN THE VICINITY OF	VEHICLES WITH MOBILE COMMUNICATIONS EQUIPMENT AND A HAND-HELD WALK	0167
MENT METHODS IN CHRONIC DISEASES OF	VEINS	0259
IDENCE FOR A PARTICULAR ROLE OF THE	VENTRAL MESENCEPHALIC TEGMENTUM	1871
RADIOFREQUENCY LESION OF THE	VENTRAL MESENCEPHALIC TEGMENTUM: NEUROLOGICAL AND BEHAVIORAL CONSI	0835
A	VERSATILE TEMPERATURE CONTROLLED EXPOSURE CHAMBER FOR MICROWAVE BI	1283
FOUR SPECIES OF INVERTEBRATES AND A	VERTEBRATE NATURALLY EXPOSED TO SANGUINE EM FIELDS	1706
TRANSIENT RESPONSE OF LOW FREQUENCY	VERTICAL ANTENNAS TO HIGH ALTITUDE NUCLEAR ELECTROMAGNETIC PULSE (	3098
EXTREMELY LOW FREQUENCY (ELF)	VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOO	1787
EXTREMELY LOW FREQUENCY (ELF)	VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRADIATION FACILITY	1788
SION LINE, INCLUDING THE EFFECTS OF	VERTICAL GROUND WIRES	3103
EXTREMELY LOW FREQUENCY	VERTICAL , 45-HZ ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROW	0957

HUMAN RESPONSE TO	VERY-LOW-FREQUENCY EM ENERGY	1033
BLINDNESS, DEAFNESS AND	VESTIBULAR DYSFUNCTION IN A MICROWAVE WORKER	0917
ATION OF THE HEAD: INDIRECT CALORIC	VESTIBULAR STIMULATION	0524
CALORIC	VESTIBULAR STIMULATION VIA UHF-MICROWAVE IRRADIATION	0609
	VESTIBULO-COCHLEAR SINGLE UNIT RESPONSES	2680
ECTION OF WEAK EMR BY THE MAMMALIAN	VESTIBULOCOCHLEAR APPARATUS	1071
POPULATION EXPOSURE TO	VHF AND UHF BROADCAST RADIATION IN THE UNITED STATES	0104
SIGNAL POLARIZATIONS IN THE	VHF AND UHF BROADCAST SPECTRUM	1718
DEVELOPMENT OF	VHF AND UHF PROPAGATION CURVES FOR TV AND FM BROADCASTING	3523
AIN RHYTHMS BY AMPLITUDE- MODULATED	VHF FIELDS	1673
EFFECTS OF MODULATED	VHF FIELDS ON SPECIFIC BRAIN RHYTHMS IN CATS	0447
EFFECTS OF MODULATED	VHF FIELDS ON THE CENTRAL NERVOUS SYSTEM	1060
PENDENCE OF INCIDENTIAL MAN-MADE HF/	VHF NOISE IN METROPOLITAN AREAS	3179
INFLUENCE OF EMR OF	VHF ON THE SENSITIVITY TO THE TRIIODOETHYL SALT OF GALLIUM AND TO	0861
	VHF-UHF RADIATION HAZARDS AND SAFETY GUIDELINES	2942
ANALYSIS OF AIRBORNE	VHF /UHF INCIDENTIAL NOISE OVER METROPOLITAN AREAS	3180
DIATION ON INTERNAL TEMPERATURE AND	VIABILITY IN MICE	1579
LOSS OF	VIABILITY OF PEAS CAUSED BY MICROWAVE HEATING	2405
	VIABILITY STUDIES ON ASCOPORES AND VEGETATIVE CELLS OF SACCHAROMYC	2355
RS SUBJECTED TO THE ACTION OF LOCAL	VIBRATION AND HIGH- FREQUENCY EMR (IN RUSSIAN)	2073
F ICE AND WIND LOADINGS, GALLOPING,	VIBRATION AND SUB-SPAN OSCILLATION OF CONDUCTORS AND QUESTIONS OF	3592
COHERENT ELECTRIC	VIBRATIONS IN BIOLOGICAL SYSTEMS AND THE CANCER PROBLEM	0042
D HAZARDOUS NONLINEAR THERMOELASTIC	VIBRATIONS OF THE OCULAR LENS IN THE HUMAN EYE	0114
RIC AND MAGNETIC FIELDS ON ROOTS OF	VICIA FABA	0863
RIC AND MAGNETIC FIELDS ON ROOTS OF	VICIA FABA	1171
E INTENSIVE THERAPY OF SEVERE FORMS	VIRAL HEPATITIS	0013
TENSITY MICROWAVE RADIATION AND THE	VIRULENCE OF AGROBACTERIUM TUMEFACIENS STRAIN B6	0022
AVES ON THE ROUS NO. 1 FOWL SARCOMA	VIRUS	2503
AN INFECTION WITH NEWCASTLE DISEASE	VIRUS IN CHICK EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN)	0817
R BREAKING DORMANCY AND CONTROLLING	VIRUS INFECTIONS OF PLANTS	3238
IN VITRO AND IN VIVO INHIBITION OF	VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA	2065
EFFECT OF MICROWAVES ON	VIRUS MULTIPLICATION IN MAMMALIAN CELLS	1159
OF MICROWAVES ON CELL FUNCTION AND	VIRUS REPLICATION IN CELL CULTURES IRRADIATED IN VITRO	1077
STUDY OF THE INACTIVATION OF	VIRUS-CONTAINING WATER BY MEANS OF ELECTRICAL CURRENT (IN RUSSIAN)	2598
SELECTIVE EFFECT OF EM ENERGY ON	VIRUSES	2504
E EFFECT OF EM CONTROLLED ENERGY ON	VIRUSES IN HUMAN BLOOD	2515
AND IN THE PROPERTIES OF BACTERIA,	VIRUSES , AND SIMPLE ANIMALS UNDER THE INFLUENCE OF LOW-INTENSITY M	2261
RECHERCHES SUR LES LESIONS	VISCERALES OBSERVEES CHEZ DES SOURIS ET DES RATS EXPOSES AUX ONDES	2919
STEM OF A FROG UNDER THE ACTION OF	VISIBLE LIGHT	3443
INFLUENCE ON	VISION OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS	0353
IGATIONS AND RATING OF THE ORGAN OF	VISION OF PERSONS EXPOSED TO THE EFFECT OF MICROWAVES (WITH PARTIC	2578
IGATIONS AND RATING OF THE ORGAN OF	VISION OF PERSONS EXPOSED TO THE EFFECT OF MICROWAVES WITH PARTICU	3474
ARTIFICIAL	VISION PROGRESSES	0909
D EVOKED ACTIVITY OF NEURONS ON THE	VISUAL CORTEX OF RABBITS AFTER THE ACTION OF A SUPERHIGH-FREQUENCY	1185
OGICAL EVIDENCE THAT ABNORMAL EARLY	VISUAL EXPERIENCE CAN MODIFY THE HUMAN BRAIN	3022
CONTROL OF	VISUAL FATIGUE BY MEANS OF DC AND AC ELECTRIC FIELDS	1675
	VISUAL OBSERVATION OF HIGH DIELECTRIC RESONATOR MODES	3363
	VISUAL OBSERVATION OF RF MAGNETIC FIELDS USING CHOLESTERIC LIQUID	3364
L EFFECT OF ULTRASHORT WAVES ON THE	VISUAL ORGAN	1345
FECTS OF MICROWAVE RADIATION ON THE	VISUAL ORGAN	2265
AUDITORY AND	VISUAL SENSATIONS STIMULATED BY LOW-FREQUENCY ELECTRIC CURRENTS	2760
ECTRIC FIELD APPLICATION UPON HUMAN	VISUAL THRESHOLD	2154
MICROSCOPIC	VISUALIZATION OF DOSE DISTRIBUTIONS	3283
A RAPID METHOD OF	VISUALIZING THE STRUCTURE OF AN EXTREMELY HIGH-FREQUENCY FIELD	1716
	VISUALLY EVOKED MAGNETIC FIELDS OF THE HUMAN BRAIN	2099
MICROWAVE HYPERTHERMIA AND THE	VISUALLY EVOKED POTENTIALS: PRELIMINARY OBSERVATIONS OF GUINEA PIG	2662
ECTRICAL AND MAGNETIC FIELDS IN THE	VITAL ACTIVITIES OF BIOLOGICAL SYSTEMS	0763
ECTRICAL AND MAGNETIC FIELDS ON THE	VITAL ACTIVITY OF ORGANISMS	3507
	VITREO-RETINAL INJURIES DUE TO MICROWAVE RADIATION	2311
E IRRADIATION OF MAMMALIAN CELLS IN	VITRO	0256
CROPHAGE PRECURSOR CELLS OF MICE IN	VITRO	0352
H RATE OF EMBRYONIC CHICK TIBIAE IN	VITRO	0592
Y RADIATION ON HUMAN LYMPHOCYTES IN	VITRO	0692
TION IN CELL CULTURES IRRADIATED IN	VITRO	1077
EMR (MICROWAVES) ON GRANULOCYTES IN	VITRO	1078

IVITY AND RECOVERY OF EMT6 CELLS IN	VITRO	2032
LYMPHOCYTE BLAST TRANSFORMATION IN	VITRO	2184
ON ION TRANSPORT BY RABBIT ILEUM IN	VITRO	2525
- FREQUENCY EM FIELD IN VIVO AND IN	VITRO	2577
ID TRANSFORMATION OF LYMPHOCYTES IN	VITRO AFTER MICROWAVE IRRADIATION	0574
IN	VITRO AND IN VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE	2065
RICAL STIMULATION ON BONE GROWTH IN	VITRO AND ON FRACTURE HEALING	2330
IN	VITRO EPIPHYSEAL-PLATE GROWTH IN VARIOUS CONSTANT ELECTRICAL FIELD	0640
EFFECTS OF MICROWAVE IRRADIATION IN	VITRO ON CELL MEMBRANE PERMEABILITY	1256
AL EFFECT OF MICROWAVE RADIATION IN	VITRO ON PERITONEAL MAST CELLS OF THE RAT	2033
7.12 MHZ) EFFECTS ON IN VIVO AND IN	VITRO TUMOR GROWTH	1162
BUTYRYL CHOLINESTERASE ACTIVITY IN	VIVO	1510
MAGNETIC FIELDS ON LYMPHOMA CELS IN	VIVO	2332
AND MALIGNANT BIOLOGICAL TISSUE IN	VIVO	3142
LID MOUSE MAMMARY ADENOCARCINOMA IN	VIVO (LETTER TO THE EDITOR)	2819
CT OF A HIGH- FREQUENCY EM FIELD IN	VIVO AND IN VITRO	2577
RADIOWAVE (27.12 MHZ) EFFECTS ON IN	VIVO AND IN VITRO TUMOR GROWTH	1162
IN	VIVO BONE GROWTH IN A CONTROLLED ELECTRIC FIELD	2236
THE IN	VIVO EFFECTS OF 2.45 GHZ MICROWAVE RADIATION ON RABBIT SERUM COMPO	0634
IN	VIVO ELECTROPHYSIOLOGY OF TENDONS AND APPLIED CURRENT DURING TENDO	1679
ERATING HEPATIC TISSUE FOLLOWING IN	VIVO EXPOSURE TO R. F. RADIATION	0867
OLINE IN DIFFERENT BRAIN REGIONS IN	VIVO FOLLOWING ALTERNATIVE METHODS OF SACRIFICE BY MICROWAVE IRRAD	1620
ATION AT 986 VERSUS 2450 MHZ FOR IN	VIVO INACTIVATION OF BRAIN ENZYMES IN RATS	0085
IN VITRO AND IN	VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA	2065
THE IMMUNE SYSTEM: MODULATION OF IN	VIVO LYMPHOCYTE MIGRATION BY WHOLE-BODY HYPERTHERMIC RADIATION	0253
PASSIVE TELEMETRY FOR IN	VIVO MEASUREMENT OF FIELDS IN BIOLOGICAL MATERIALS	1144
A MICROWAVE APPLICATOR FOR IN	VIVO RAPID INACTIVATION OF ENZYMES IN THE CENTRAL NERVOUS SYSTEM	1034
NUTRITION AND IN	VIVO ROTATIONAL MOTION: A MICROWAVE STUDY	3265
TIVATION OF RODENT BRAIN ENZYMES IN	VIVO USING HIGH-INTENSITY MICROWAVE IRRADIATION	0387
EXPERIMENTAL ARRANGEMENT FOR IN	VIVO X-RAY AND MICROWAVE IRRADIATION OF SMALL ANIMALS	2315
RESEARCH ON BIOLOGICAL EFFECTS OF	VLF BAND EMR	0955
FFECTS OF TECHNICAL ELECTRIC AND EM	VLF FIELDS	2124
PMENT OF THE FRUITFLY DROSOPHILA IN	VLF MAGNETIC FIELDS (IN GERMAN)	2071
CT OF MATERIALS IN THE ULF, ELF AND	VLF REGION	1183
MEASUREMENTS OF THE	VLF-NOISE LEVEL (IN GERMAN)	2568
ELECTRICAL STIMULATION FOR	VOIDING DYSFUNCTION AFTER SPINAL CORD INJURY	0009
CAN HIGH	VOLTAGE CAUSE ENVIRONMENTAL HAZARDS? (IN NOR)	0318
RADIO INFLUENCE	VOLTAGE CHARACTERISTICS OF TRANSMISSION LINE ASSEMBLIES USING SEMI	3105
HIGH	VOLTAGE ELECTRIC FIELD COUPLING TO HUMANS USING MOMENT METHOD TECH	2186
TALY BY ENEL ON THE EFFECTS OF HIGH	VOLTAGE ELECTRIC FIELDS	1589
BIOLOGICAL EFFECTS OF HIGH	VOLTAGE ELECTRIC FIELDS: BIBLIOGRAPHY AND SURVEY OF ONGOING WORK,	2252
HOLOGICAL EFFECTS DUE TO EXTRA HIGH	VOLTAGE INSTALLATIONS	1217
MEDICAL FOLLOW-UP STUDY OF HIGH	VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS	1015
MEDICAL FOLLOW-UP STUDY OF HIGH	VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS	3012
N--THE ENVIRONMENTAL IMPACT OF HIGH	VOLTAGE LINES	0668
HIGH	VOLTAGE LINES: HAZARD AT A DISTANCE	0084
TIPS ON HOW TO BEHAVE NEAR HIGH	VOLTAGE POWER LINES	3566
HEALTH RELATED SIDE EFFECTS OF HIGH	VOLTAGE POWER TRANSMISSION	3111
VERVOLTAGE PROTECTION OF EXTRA HIGH	VOLTAGE POWER TRANSMISSIONS	3589
RE TO ELECTRIC FIELDS IN EXTRA HIGH	VOLTAGE SUBSTATIONS	1644
SIGNIFICANCE OF POWER LINE AND HIGH	VOLTAGE SWITCHYARD ENVIRONMENTS	3171
LINE AND A PROPOSED 345 KV AC HIGH	VOLTAGE TRANSMISSION LINE	3167
FECTS OF A PROPOSED +400 KV DC HIGH	VOLTAGE TRANSMISSION LINE AND A PROPOSED 345 KV AC HIGH VOLTAGE TR	3167
CTORS (MICROWAVE RADIATION AND HIGH	VOLTAGE TRANSMISSION LINE EFFECTS)	2369
HEALTH AND SAFETY OF HIGH	VOLTAGE TRANSMISSION LINES	0111
ENERGY FLUX ALONG HIGH	VOLTAGE TRANSMISSION LINES	1964
HEALTH EFFECTS ASSOCIATED WITH HIGH	VOLTAGE TRANSMISSION LINES	3168
EXTREMELY HIGH	VOLTAGE TRANSMISSION LINES HEALTH AND ENVIRONMENTAL EFFECTS: REQUE	3239
THE EFFECTS OF HIGH	VOLTAGE TRANSMISSION LINES ON HONEYBEES: A FEASIBILITY STUDY	2545
NETIC FIELD ON NERVOUS TISSUES. II.	VOLTAGE-CLAMP STUDIES	0189
PHYSIOLOGICAL EFFECTS OF NAACH	VOLTAGES	2541
ECTRIC FIELD GENERATED BY INDUCTIVE	VOLTAGES IN LOW FREQUENCY MAGNETIC FIELD GENERATORS	1210
BSTATIONS AND TRANSMISSION LINES AT	VOLTAGES OF 400-, 500-, AND 750 KV ALTERNATING CURRENT AT INDUSTRI	3077
TRANSMISSION SYSTEMS OF ONE MILLION	VOLTS TESTED	3011
XPERIMENT GETS UNDERWAY USING HUMAN	VOLUNTEERS	0681

SYNTHETIC BACTERIA AND OF CHLORELLA	VULGARIS	0185
RMITTIVITIES AT METER AND DECIMETER	WACELENGTHS	3536
CORTICAL ELECTRIC ACTIVITY AND THE	WAKEFULNESS-SLEEP CYCLE (IN RUSSIAN)	1406
X STIMULATION OF LEG MUSCLES DURING	WALKING	0094
UCTIVITY OF ISOLATED BACTERIAL CELL	WALLS	1915
THE IMPORTANCE OF ELECTRONIC	WARFARE TO THE NATIONAL DEFENSE POSTURE	1887
D BY THE HAEMOTHERM MICROWAVE BLOOD	WARMER	0308
LYSIS OF BLOOD IN A MICROWAVE BLOOD	WARMER	0721
CHANGES IN THE	WATER-ELECTROLYTE-BALANCE OF WHITE MICE KEPT IN FARADAY-CAGES AND	2645
ENVIRONMENTAL FACTORS ON INDICES OF	WATER-SALT BALANCE (IN RUSSIAN)	2067
SOME INDICES OF RENAL FUNCTION AND	WATER-SALT METABOLISM (IN RUSSIAN)	1629
EFFECT OF MICROWAVE OR	WATERBATH HYPERTHERMIA ON TUMOR GROWTH	2768
EASURING THE HEART FREQUENCY OF THE	WATERFLEA : DAPHNIA PULEX	1720
STRUCTURE IRRADIATED BY AN EM PLANE	WAVE	0717
DUE TO MEASURED SPECTRA OF EM PLANE	WAVE	1028
IOR OF MONKEYS, PHASE I: CONTINUOUS	WAVE	1373
M POLYCEPHALUM, PHASE I: CONTINUOUS	WAVE	1753
DOMESTIC BIRDS, PHASE I: CONTINUOUS	WAVE	1786
ED SPECTRA OF ELECTROMAGNETIC PLANE	WAVE	3601
OF THE MOUSE ORGANISM AFTER MICRO-	WAVE (2,400 MHZ) IRRADIATION. (IN RUS.)	0194
PULSATING ELECTRIC FIELDS ON BRAIN	WAVE ACTIVITY IN RATS	1010
RLY POLARIZED ELECTROMAGNETIC PLANE	WAVE AND A DOUBLE SPHERICAL SHELL	3551
ON BETWEEN AN ELECTROMAGNETIC PLANE	WAVE AND A SPHERICAL SHELL	2959
F CARDIAC PACEMAKER CAUSED BY SHORT	WAVE AND MICROWAVE DIATHERMIES AND PULSED HIGH FREQUENCY CURRENT	2087
A COMPARATIVE STUDY OF SHORT	WAVE AND MICROWAVE DIATHERMY ON BLOOD FLOW	0565
POSED TO 2450 MHZ AND 915 MHZ PLANE	WAVE AND SLOT SOURCES	2671
URSI PURSUED: MILLIMETER	WAVE BIOPHYSICS	3396
DESIGN OF MILLIMETER	WAVE COMMUNICATION SYSTEMS	3456
NONIONIZING ELECTROMAGNETIC	WAVE EFFECTS IN BIOLOGICAL MATERIALS AND SYSTEMS	3215
IRREGULAR GEOMETRY EXPOSED TO PLANE	WAVE EMR	2670
SHORT	WAVE EMR AS A HAZARD TO PERSONNEL	2505
DISTRIBUTION OF ULTRASHORT	WAVE FIELDS IN THE VICINITIES OF URBAN TELEVISION CENTERS	1440
RECOMMENDATIONS FOR SPECIFYING EM	WAVE IRRADIATION CONDITIONS IN BIOEFFECTS RESEARCH	1330
LONG-WAVELENGTH ANALYSIS OF PLANE	WAVE IRRADIATION OF A PROLATE SPHEROID MODEL OF MAN	1174
LONG-WAVELENGTH ANALYSIS OF PLANE	WAVE IRRADIATION OF AN ELLIPSOIDAL MODEL OF MAN	1611
ITY APPLICATOR FOR RADIO- FREQUENCY	WAVE IRRADIATION OF MAMMALIAN CELLS IN VITRO	0256
STANDING	WAVE METHODS FOR MEASURING PERMITTIVITIES AT METER AND DECIMETER W	3536
FREQUENCIES BELOW 1000 MHZ IN RADIO	WAVE PROPAGATION	3561
S IN LOW FREQUNCY TERRESTRAIL KADIO	WAVE PROPAGATION	3569
HYGIENIC EVALUATIONS OF THE MEDIUM	WAVE RANGE EM FIELD IN CONDITIONS OF POPULATED AREAS	1509
FIELDS IN THE SHORT AND ULTRASHORT	WAVE RANGES	2555
CTS OF DEEP HYPERTHERMIA AND MICRO-	WAVE REWARMING: POSSIBLE APPLICATION FOR NEONATAL CARDIAC SURGERY	0203
D TISSUE CYLINDERS EXPOSED TO PLANE	WAVE SOURCES	0851
TOM HEADS DUE TO APERTURE AND PLANE	WAVE SOURCES	1097
R CROSS SECTION IRRADIATED BY PLANE	WAVE SOURCES	1122
PERSONNEL EXPOSED TO EM ULTRA-SHORT	WAVE SOURCES IN TELEVISION AND RADIO BROADCASTING STATIONS	1344
SHORT	WAVE THERAPY	0587
ISM PATIENTS SUBJECTED TO DECIMETER	WAVE THERAPY	1491
EXPERIENCE WITH DECIMETER	WAVE THERAPY AS PART OF COMPREHENSIVE TREATMENT FOR PATIENTS WITH	2804
MILLIMETER	WAVE THERMOGRAPH AS SUBCUTANEOUS INDICATOR OF JOINT INFLAMMATION	2411
RFACE PROBING BY MEASUREMENT OF THE	WAVE TILT OF ELECTROMAGNETIC SURFACE WAVES	3099
OF THE ARPA/TRI-SERVICE MILLIMETER	WAVE WORKSHOP	3240
L EVALUATION OF LOW FREQUENCY (LONG	WAVE) EMR ASSOCIATED WITH ELECTRIC POWER TRANSMISSION	1195
EOUS NERVE STIMULATION-11: STIMULUS	WAVE-FORM SELECTION	0067
IC PROPERTIES OF THE HUMAN BODY FOR	WAVE-LENGTHS IN THE 1-10 CM. RANGE	0474
TE LENGTH LOSSY DIELECTRIC SLABS IN	WAVEGUIDE	1645
AND ORIENTATION OF RAT PHANTOMS IN	WAVEGUIDE	2194
ENVIRONMENTALLY CONTROLLED	WAVEGUIDE IRRADIATION FACILITY	0998
OWAVE BIOLOGICAL EFFECTS RESEARCH--	WAVEGUIDE SLOT ARRAY WITH CONSTANT RADIATION INTENSITY	2740
PHERES WITH SIZES COMPARABLE TO THE	WAVELENGTH	3442
BIOPHYSICAL ASPECTS OF HIGH	WAVELENGTH EMR (IN ITALIAN)	1792
EFFECT OF EM ULTRASHORT	WAVELENGTH FIELDS (155 AND 191 MHZ) ON THE SURVIVAL RATE AND TEMPE	1354
RETINAL SENSITIVITY TO SHORT	WAVELENGTH LIGHT	1248
EFFECTS OF EMR OF MILLIMETRIC	WAVELENGTH ON BACTERIAL GROWTH	1650

STUDIES OF THE INFLUENCE OF	WAVELENGTH ON BIOLOGICAL EFFECTS	2508
EFFECTS OF THE DECIMETER	WAVELENGTH RANGE ON THE FUNCTIONAL CONDITION OF VARIOUS AREAS OF T	1348
TY OF USING EMR'S OF THE MILLIMETER	WAVELENGTH TO INTENSIFY THE BIOLOGICAL PROPERTIES OF BLOOD PROTEIN	2346
CARDIAC AND NEURAL EFFECTS OF RADAR	WAVELENGTHS	1199
ATION WITH LOW INTENSITY CENTIMETER	WAVELENGTHS	1352
MAGING AT MILLIMETER AND CENTIMETER	WAVELENGTHS	1691
THERMOGRAPHY AT MILLIMETER	WAVELENGTHS	1696
UIDS AT MILLIMETER AND FAR-INFRARED	WAVELENGTHS	2195
DIATION AT RESONANT AND NONRESONANT	WAVELENGTHS	2761
ERMITTIVITY OF SOLIDS AT MILLIMETRE	WAVELENGTHS	3539
ISEASES CAUSED BY RAYS OF DIFFERENT	WAVELENGTHS (IN GERMAN)	1626
EM EMISSION AT MICRON	WAVELENGTHS FROM ACTIVE NERVES	1039
UREMENT IN ORGANIC HALIDES AT 10-CM	WAVELENGTHS	3344
BIOEFFECTS OF ELECTROMAGNETIC	WAVES	0027
OLOGICAL EFFECTS OF RADIO FREQUENCY	WAVES	0309
REAT: THE STIFLED STORY OF ELECTRIC	WAVES	0315
TION OF FEVER IN MAN BY SHORT RADIO	WAVES	0454
HEARING EM	WAVES	0462
PROTECTION FROM THE EFFECT OF RADIO	WAVES	0519
ANIMAL BEHAVIOR AND EM ENERGY	WAVES	0709
THE BIOLOGICAL EFFECTS OF RADAR	WAVES	0816
ON LONG-TERM EXPOSURE TO SHF RADIO	WAVES	0994
WORKERS EXPOSED TO THE ACTION OF EM	WAVES	1164
TS ON WHOLE ANIMAL ABSORPTION OF EM	WAVES	1335
LOGICAL EFFECT OF EM RADIOFREQUENCY	WAVES	1338
MALS EXPOSED TO LOW INTENSITY 10 CM	WAVES	1358
OGICAL EFFECTS OF RADIOFREQUENCY EM	WAVES	1435
AL ACTION OF SUPERHIGH FREQUENCY EM	WAVES	1483
IDE HUMAN TORSOS BY 1 TO 500 MHZ EM	WAVES	1608
METRIUM WITH THE USE OF SHORT RADIO	WAVES	1960
F NEURONS UNDER THE EFFECT OF RADIO	WAVES	1995
PATHOLOGICAL EFFECTS OF RADIO	WAVES	2248
S TO EXPOSURE TO MILLIMETER-BAND EM	WAVES	2305
MULATING NEURONS BY ELECTROMAGNETIC	WAVES	2554
MICE IRRADIATED WITH 10-CENTIMETER	WAVES	2874
AVE TILT OF ELECTROMAGNETIC SURFACE	WAVES	3099
ATING SMALL ANIMALS WITH CENTIMETRE	WAVES	3445
ES IN WORKING EXPOSED TO CENTIMETER	WAVES	3478
PULSED, HIGH FREQUENCY, RADIO SHORT	WAVES (DIAPULSE). 646 PATIENTS	1823
E ACTION OF PULSED AND MODULATED EM	WAVES (IN FRENCH)	0959
ICAL EFFECT OF HIGH FREQUENCY RADIO	WAVES (RADAR)	0476
CAL EFFECT OF HIGH FREQUENCY RADIO.	WAVES (RADAR)	3330
NS. II. APPEARANCE OF FAST AND SLOW	WAVES AFTER CHRONIC IRRADIATIONS	0287
ORGANISM BY SUPERHIGH FREQUENCY EM	WAVES AND A GAS MIXTURE WITH A LOW OXYGEN CONTENT	2029
NERATED IN CONDUCTING SPHERES BY EM	WAVES AND BIOLOGICAL IMPLICATIONS	0803
EFFECT OF CENTIMETER	WAVES AND INDUCTOTHERMY ON THE ADRENOCORTICAL FUNCTION OF CHILDREN	0282
TERACTION BETWEEN RADIOFREQUENCY EM	WAVES AND IONIZING RADIATION	0910
RADIO	WAVES AND LIFE	3438
ACTION OF EM	WAVES AND MAGNETIC FIELDS ON LIPID MODIFICATIONS BROUGHT ON IN THE	1775
RADIO	WAVES AND MICROWAVES- BASIC DEFINITIONS AND CONCEPTS	0110
L EFFECTS OF MILLIMETER RANGE RADIO	WAVES AND POSSIBLE USE THEREOF IN MEDICINE	0208
CELLULAR EFFECTS: MILLIMETER	WAVES AND RAMAN SPECTRA- REPORT OF A PANEL DISCUSSION	0392
RADIO	WAVES AND THE LIVING ORGANISM	2566
STUDY OF THE ACTION OF EM	WAVES AT VARIOUS REGIONS OF THE RADIO BAND ON SOME FUNCTIONAL INDI	1482
WAKE-UP	WAVES BEING USED ON BULBS	3484
SHIELDING OF ELECTROMAGNETIC	WAVES BY A SPHERICAL SHELL	3357
THERAPEUTIC EFFECT OF PULSED SHORT	WAVES IN INTERMITTENT CLAUDICATION	0490
PROPAGATION OF EM	WAVES IN MEDIA WHICH VARY SLOWLY WITH POSITION AND TIME	0729
THRITIS BY ATHERMIC PULSATING SHORT	WAVES IN RATS	1827
EFFECTS OF MILLIMETER-BAND EM	WAVES IN THE CELL AND CERTAIN STRUCTURAL ELEMENTS OF THE CELL	2306
USE OF HIGH FREQUENCY EM	WAVES IN THE STUDY OF THERMOGENESIS	1110
THE	WAVES OF THE FUTURE?	1876
EFFECTS OF EM	WAVES OF THE MILLIMETRIC RANGE ON THE ENERGY METABOLISM OF LIVER M	2811
NSIDE HUMAN BODIES IRRADIATED BY EM	WAVES OF UP TO 500 MHZ	2796
THE EFFECT OF PULSED, SHORT	WAVES ON ALVEOLAR HEALING	0512

THE EFFECT OF LOW-INTENSITY UHF EM	WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUS	1633
ION OF MILLIMETER ELECTRO- MAGNETIC	WAVES ON BIOLOGIC OBJECTS (IN RUSSIAN)	0294
ES ON THE EFFECT OF RADIO-FREQUENCY	WAVES ON BIOLOGICAL MACROMOLECULES	0834
SELECTIVE ACTION OF DECIMETER	WAVES ON CENTRAL BRAIN STRUCTURES	0072
SELECTIVE ACTION OF DECIMETER	WAVES ON CENTRAL STRUCTURES OF THE BRAIN	2793
EFFECTS OF MILLIMETER-BAND EM	WAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN BACTERIA	2304
EFFECTS OF MILLIMETER-BAND RADIO	WAVES ON CERTAIN PROPERTIES OF BACTERIA	2303
AN EFFECT OF SHORT ELECTRIC	WAVES ON DIPHTHERIA TOXIN INDEPENDENT OF THE HEAT FACTOR	0531
HE ACTION OF SUPERHIGH-FREQUENCY EM	WAVES ON EVOKED POTENTIALS OF AUDITORY CENTERS IN CONNECTION WITH	1487
THE EFFECT OF UHF	WAVES ON HEMOPOIESIS (EXPERIMENTAL INVESTIGATION)	2006
F THE ORDER OF CENTIMETER AND METER	WAVES ON HUMAN'S HEALTH	0939
RRENT IDEAS ON THE EFFECTS OF RADAR	WAVES ON LIVING ORGANISMS AND RELATED METHODS OF PROTECTION, PART	0451
APEUTIC ACTION OF PULSED CENTIMETER	WAVES ON PATIENTS WITH DEFORMING OSTEOARTHROSIS	0237
EFFECTS OF EM	WAVES ON PRODUCTION OF PROTEASES WITH FIBRINOLYTIC ACTIVITY IN ASP	2828
EFFECT OF SMALL DOSES OF UHF EM	WAVES ON SOME INDICES OF RENAL FUNCTION AND WATER-SALT METABOLISM	1629
CT OF SMALL DOSE OF ELECTROMAGNETIC	WAVES ON SOME ORGANS AND SYSTEMS OF MAN (IN RUSSIAN)	0319
EFFECT OF 10 CM	WAVES ON SPECIALIZED APPETITE FORMS AND ELECTROLYTE LEVELS OF THE	1357
EFFECT OF SHORT AND ULTRASHORT	WAVES ON THE BREEDING CAPACITY OF MALE RATS	1360
THE EFFECT OF MICRO	WAVES ON THE CENTRAL NERVOUS SYSTEM	1994
EFFECT OF DIFFERENT RANGES OF EM RF	WAVES ON THE CHOLINESTERASE ACTIVITY IN THE CENTRAL NERVOUS SYSTEM	1353
THE INFLUENCE OF EM	WAVES ON THE COURSE OF AN INFECTION WITH NEWCASTLE DISEASE VIRUS I	0817
THE EFFECTS OF DECIMETRIC	WAVES ON THE EXCHANGE OF CATECHOLAMINES IN THE TISSUES OF HEALTHY	2846
F A MAGNETIC FIELD COMBINED WITH EM	WAVES ON THE EXPERIMENTAL TRYPANOSOMES OF THE RABBIT	1774
EFFECT OF LOW INTENSITY CENTIMETER	WAVES ON THE FERTILITY OF FEMALE MICE	1361
LECTROSTATIC FIELD FREE OF RESIDUAL	WAVES ON THE MOTILITY OF THE MOUSE (IN GERMAN)	2703
EFFECTS OF MILLIMETER RADIO	WAVES ON THE NEURO-HUMORAL SYSTEM IN RATS	0292
THE MODIFICATIONS INDUCED BY SHORT	WAVES ON THE PERIPHERAL CIRCLE (STUDY OF NORMAL SUBJECTS)	1925
CTS OF PULSED, HIGH-FREQUENCY RADIO	WAVES ON THE RATE OF OSTEOGENESIS IN THE HEALING OF EXTRACTION WOU	0993
EXPERIMENT ON THE EFFECT OF EM	WAVES ON THE REACTIVITY OF CELLS AND TISSUES. IV. COMMUNICATION:	2016
THE BIOLOGICAL EFFECT OF ULTRASHORT	WAVES ON THE VISUAL ORGAN	1345
OF MAGNETIC FIELDS COMBINED WITH EM	WAVES ON TRYPANOSOMATIC ORCHITIS OF THE RABBIT	0866
WHAT HAPPENS WHEN RADIO	WAVES PENETRATE THE HUMAN SKIN	1267
PROPAGATION OF PLANE	WAVES THROUGH TWO PARALLEL DIELECTRIC SHEETS	3550
FAILURE OF 2- AND 10-METER RADIO	WAVES TO INDUCE GENETIC DAMAGE IN DROSOPHILA MELANOGASTER	1168
NIC EXPOSURE TO NONTHERMAL FM RADIO	WAVES TO MUTATE DROSOPHILA	2587
TERACTION OF TWO CROSS-POLARIZED EM	WAVES WITH MAMMALIAN CRANIAL STRUCTURES	1243
IO PROTECTION EXERTED BY ULTRASHORT	WAVES WITH RESPECT TO BACTERIA (IN FRENCH)	2627
SUPERHIGH FREQUENCY ELECTROMAGNETIC	WAVES	3252
TO MILLIMETER- BAND ELECTROMAGNETIC	WAVES	3272
AND LOSS IN THE RANGE OF CENTIMETER	WAVES	3333
BIOLOGIC EFFECTS OF ELECTROMAGNETIC	WAVES . (IN LZE)	0334
OLOGICAL EFFECTS OF ELECTROMAGNETIC	WAVES : PAST PERFORMANCES AND FUTURE CHALLENGES	0080
CERIDES RATE UNDER THE ACTION OF EM	WAVES : POWER LEVEL INFLUENCE	1129
ANIMALS FIND THEIR	WAY	0124
ROWAVE HAZARDS TO CARDIAC PACEMAKER	WEARERS	0361
ION SAFETY PRECAUTIONS FOR AIRBORNE	WEATHER RADAR	3071
IN THE MAGNETIC	WEB	2093
YE DAMAGE FROM REPEATED EXPOSURE TO	WELDING ARCS	0705
OMAGNETIC FIELD IN CONTACT ELECTRIC	WELDING	0210
SENSITIVITY THRESHOLDS OF	WHEAT STEMS AND ROOTS TO MAGNETIC FIELDS	0377
REQUENCY AND ORIENTATION EFFECTS ON	WHOLE ANIMAL ABSORPTION OF EM WAVES	1335
RIENTATION AND FREQUENCY EFFECTS ON	WHOLE ANIMAL ABSORPTION OF MICROWAVES--LETHALITY EXPERIMENTS	2378
LARIZATION AND FREQUENCY EFFECTS ON	WHOLE ANIMAL ABSORPTION OF RF ENERGY	0780
EQUENCY AND POLARIZATION EFFECTS ON	WHOLE ANIMAL ABSORPTION OF RF ENERGY	3556
CUSSION PAPER: STRONG DEPENDENCE OF	WHOLE ANIMAL ABSORPTION ON POLARIZATION AND FREQUENCY OF RADIO-FRE	1104
	WHOLE ORGAN FREEZING AND THAWING-HEAT TRANSFER AND THERMAL PROPERT	3543
	WHOLE-BODY DOSIMETRY OF MICROWAVE RADIATION IN SMALL ANIMALS: THE	2736
OF IN VIVO LYMPHOCYTE MIGRATION BY	WHOLE-BODY HYPERTHERMIC RADIATION	0253
SESSION IV SUMMARY 'THE LAST, LAST	WORD '	0299
STIBULAR DYSFUNCTION IN A MICROWAVE	WORKER	0917
Y OF THE HEALTH STATUS OF MICROWAVE	WORKERS	0887
RETINAL CHANGES IN MICROWAVE	WORKERS	0891
BAND ON SOME FUNCTIONAL INDICES IN	WORKERS	1482
LENTICULAR CHANGES IN MICROWAVE	WORKERS	1862
SURVEILLANCE ON MICROWAVE AND LASER	WORKERS	2112

RANSLUCENCY IN JUVENILES, MICROWAVE	WORKERS AND AGE-MATCHED GROUPS	0892
ARE YOUR	WORKERS EXPOSED TO NON-IONIZING RADIANT ENERGY?	0828
HEALTH CONDITION OF	WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION	3193
F NEUROTIC DISORDERS IN SEA ECONOMY	WORKERS EXPOSED TO THE ACTION OF EM WAVES	1164
DIGESTIVE SYSTEM IN	WORKERS EXPOSED TO THE EFFECTS OF UHF EM FIELDS	1515
HEALTH CONDITIONS OF	WORKERS IN HIGH-VOLTAGE ELECTRIC FIELDS	3067
NERVOUS SYSTEM CHANGES IN	WORKERS OF RADIOTELEVISION STATIONS EXPOSED TO MICROWAVES (IN POLI	1621
PROTECTION OF	WORKERS OPERATING HIGH-FREQUENCY INDUCTION HEATING EQUIPMENT (IN R	1842
S IN ANTERIOR SEGMENT OF THE EYE IN	WORKERS SUBJECTED TO THE ACTION OF LOCAL VIBRATION AND HIGH- FREQU	2073
SIS OF ELECTRIC FIELDS IN LIVE LINE	WORKING	0968
ENT OF ELECTRIC FIELDS IN LIVE LINE	WORKING	0970
BODY CURRENTS IN LIVE LINE	WORKING	0974
BODY CURRENTS IN LIVE LINE	WORKING	3015
SANITARY HYGIENIC INVESTIGATION OF	WORKING CONDITIONS DURING HIGH FREQUENCY HEATING	1516
HYGIENIC EVALUATION OF	WORKING CONDITIONS INVOLVING RADIOWAVE EMITTERS ON THE BASIS OF DY	1437
EVALUATION OF	WORKING CONDITIONS OF CIVILIAN AIRPORT RADAR INSTALLATIONS	2558
PROVE SHIELDING KEEPS LINEMEN SAFE	WORKING EHV	3101
IATION AND OTHER HARMFUL FACTORS OF	WORKING ENVIRONMENT IN RADIOLOCATION: METHOD OF DETERMINATION OF M	1138
SOME BIOCHEMICAL CHANGES IN	WORKING EXPOSED TO CENTIMETER WAVES	3478
NON-IONIZING RADIATION- REPORT ON A	WORKING GROUP	3560
FOR LAND MOBILE RADIO SERVICES FROM	WORKING GROUP 3	2956
MEDICAL	WORKING GROUP SUMMARY	0316
OW-UP STUDY OF HIGH VOLTAGE LINEMEN	WORKING IN AC ELECTRIC FIELDS	1015
MEDICAL EVALUATION OF MAN	WORKING IN AC ELECTRIC FIELDS	2023
OW-UP STUDY OF HIGH VOLTAGE LINEMEN	WORKING IN AC ELECTRIC FIELDS	3012
THE HEALTH STATUS OF PEOPLE	WORKING IN THE ELECTRIC FIELD OF OPEN 400-500 KV SWITCHING STRUCTU	3087
THE STATE OF HEALTH OF PERSONS	WORKING IN THE ELECTRIC FIELD OF OUTDOOR 400 AND 500 KV SWITCHYARD	3586
ALUATION OF THE HEALTH OF PERSONNEL	WORKING NEAR PROJECT SANGUINE BETA TEST FACILITY FROM 1971 TO 1972	1668
ALUATION OF THE HEALTH OF PERSONNEL	WORKING NEAR PROJECT SANGUINE TEST FACILITY FROM 1971 TO 1972	3273
IVE ASSESSMENT OF HEALTH IN PERSONS	WORKING UNDER CONDITIONS INVOLVING EXPOSURE TO MICROWAVES OF DIFFE	2360
HEMODYNAMIC CHANGES IN INDIVIDUALS	WORKING UNDER MICROWAVE IRRADIATION	2010
INDUSTRIAL HYGIENE PROBLEMS OF	WORKING WITH ULTRA-SHORT-WAVE TRANSMITTERS USED IN TELEVISION AND	2556
MEDICAL CONTROL OF MEN	WORKING WITHIN EM FIELDS	1590
NS ON THE NERVOUS SYSTEM OF PERSONS	WORKING WITHIN THE REACH OF MICROWAVES	2008
GONADIC FUNCTION IN	WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES	1318
IOLOGICAL TISSUES: PROCEEDINGS OF A	WORKSHOP	3081
MICROWAVE DOSIMETRY	WORKSHOP	3538
N BIOLOGICAL MATERIALS: REPORT ON A	WORKSHOP HELD OCTOBER 7-8, 1971	3024
MICROWAVE DOSIMETRY	WORKSHOP JOINT U. S. ARMY/GEORGIA INSTITUTE OF TECHNOLOGY	3218
	WORKSHOP ON BIOLOGICAL EFFECTS OF ELECTRIC CURRENTS: ELECTRICAL ST	1682
PROCEEDINGS OF THE	WORKSHOP ON ELECTRICAL AND BIOLOGICAL EFFECTS RELATED TO HVDC TRAN	0300
	WORKSHOP ON FUTURE DIRECTIONS OF ELECTROMAGNETICS OF CONTINUOUS ME	3058
	WORKSHOP ON MAGNETIC-ELECTRIC FIELDS AND ENVIRONMENT	1680
	WORKSHOP ON SOURCES AND SAFE LEVELS OF ELECTRIC AND MAGNETIC FIELD	1681
E OF TECHNOLOGY MICROWAVE DOSIMETRY	WORKSHOP , JUNE 1972	3057
BLOOD BRAIN BARRIER	WORKSHOP	0217
HE ARPA/TRI-SERVICE MILLIMETER WAVE	WORKSHOP	3240
EXPERIMENTAL ACCELERATION OF	WOUND HEALING	1824
RIC CURRENTS IN THE ACCELERATION OF	WOUND HEALING AND FRACTURE UNION	1825
EM FIELDS AND SKIN	WOUND REPAIR	0904
NT ON AN INFECTING MICROORGANISM IN	WOUNDS	2243
AL INVESTIGATION OF REGENERATION OF	WOUNDS IN ANIMALS EXPOSED TO THE LONG-TERM ACTION OF LOW-INTENSITY	1519
HEALING OF PURULENT	WOUNDS IN ANIMALS SUBJECTED TO THE CHRONIC EFFECT OF SUPERHIGH FRE	1481
ENESIS IN THE HEALING OF EXTRACTION	WOUNDS IN DOGS	0993
ON-INVASIVE TREATMENT OF EXTRACTION	WOUNDS IN DOGS BY ELECTROMAGNETIC STIMULATION	0209
THERMISTOR PROBE ERROR IN AN	X-BAND MICROWAVE FIELD	1818
BIOLOGICAL EFFECTS OF	X-BAND MICROWAVE IRRADIATIONS ON E. COLI	2814
APHIC STUDY OF THE ACUTE EFFECTS OF	X-BAND MICROWAVES IN RABBITS	1252
EFFECT OF MICROWAVES AT	X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 1: MICROWAVE APP	0523
EFFECT OF MICROWAVES AT	X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 2: EFFECT OF THE	0452
EFFECT OF MICROWAVES AT	X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 3: EFFECT OF PUL	0453
EFFECT OF PULSED MICROWAVES AT	X-BAND ON SKIN METABOLISM	2049
WAVES ON THE RADIATION RESPONSES OF	X-IRRADIATED CHINESE HAMSTERS	0521
HIGH FREQUENCY HYPERTHERMIA, LOCAL	X-IRRADIATION AND APATHOGENIC CLOSTRIDA	0236
SINGLE DOSE	X-IRRADIATION AND CONCOMITANT HYPERTHERMIA ON A RADIORESISTANT FIB	2335

MODIFICATION OF REPAIR OF	X-IRRADIATION DAMAGE OF HEMOPOIETIC SYSTEM OF MICE BY MICROWAVES	2801
	X-LINKED B-LYMPHOCYTE IMMUNE DEFECT IN CBA/N MICE, PART II: STUDIE	0946
SITIES OF EM RADIOFREQUENCY FIELDS,	X-RADIATION AND CONSTANT MAGNETIC FIELDS IN PLASMA STUDY DEVICES	1340
	X-RADIATION IN UHF EQUIPMENT	1339
COMBINED EFFECTS OF UHF AND SOFT	X-RADIATION ON ANIMALS	1366
XPERIMENTAL ARRANGEMENT FOR IN VIVO	X-RAY AND MICROWAVE IRRADIATION OF SMALL ANIMALS	2315
SIMPLE	X-RAY DETECTOR INSTRUMENTS FOR TELEVISION. SERVICE TECHNICIANS - B	3055
	X-RAY DIFFRACTION FROM CHLOROPLAST MEMBRANES ORIENTED IN A MAGNETI	1618
ACTIVE BONE MARROW FROM DIAGNOSTIC	X-RAY EXAMINATIONS	3083
AGNETISM TO INFLUENCE PRODUCTION OF	X-RAY INDUCED SEX-LINKED RECESSIVE LETHALS	1966
US ADMINISTRATION OF MICROWAVES AND	X-RAY IRRADIATION	1958
ES COMBINED WITH THE ACTION OF SOFT	X-RAY IRRADIATION AND HEAT	1277
PERFORMANCE OF	X-RAY MEASUREMENT INSTRUMENTS WHEN SUB- JECTED TO ENVIRONMENTAL LE	0418
INCREASE IN	X-RAY SENSITIVITY OF CANCER AFTER EXPOSURE TO 434 MHZ EMR	2452
A MEDICAL	X-RAY SURVEY PACKET	2958
DIAGNOSTIC	X-RAY SYSTEMS AND THEIR MAJOR COMPONENTS	3003
INSTRUMENT PERFORMANCE IN MEASURING	X-RAY TUBE CURRENT AND MAS	0630
N POULTRY MEAT WITH LYSOZYME, EDTA,	X-RAY , MICROWAVE AND CHLORINE	1324
LLS AND A POSSIBLE INTERACTION WITH	X-RAYS	1137
ARDS FOR THE COMBINATION OF SHF AND	X-RAYS	1451
NED IRRADIATION WITH MICROWAVES AND	X-RAYS	1454
IOUS TREATMENT MODALITIES UTILIZING	X-RAYS AND HYPERTHERMIA	2363
NED EXPOSURE TO MICROWAVES AND SOFT	X-RAYS ON IMMUNOBIOLOGICAL REACTIVITY OF ANIMALS	1453
EXPOSURE TO SHF EM FIELDS AND SOFT	X-RAYS ON THE PERIPHERAL BLOOD	1452
OF A COMBINATION OF MICROWAVES AND	X-RAYS ON THE PERMEABILITY OF HISTO-HEMATIC BARRIERS	1489
EFFECTS OF IODOACETAMIDE,	X-RAYS , AND MAGNETIC FIELDS ON LYMPHOMA CELS IN VIVO	2332
ON OF THE HEAT DEFECT OF LOW ENERGY	X-RAYS	3248
HYPERTHERMIA ON HUMAN COLON CANCER	XENOGRAFTS IN NUDE MICE	0337
ERTHERMIA INDUCED BY MICROWAVES AND	XRAYS ON WALKER'S CARCINOMA OF THE RAT. (IN GER.)	0136
THE EFFECT OF MICROWAVE ON	Y-MAZE LEARNING IN THE WHITE RAT	3503
NS IN 400-500 KV KEY OPEN SWITCHING	YARDS	3585
FOUR	YEARS OF MICROWAVES IN CANCER THERAPY	0421
E SAMPLE THICKNESS ON THE DRYING OF	YEAST	1384
QUANTITATIVE ANALYSIS OF	YEAST CELL INACTIVATION AFTER EXPOSURE TO SHF IRRADIATION. (IN RUS	0338
EFFECT OF MAGNETIC FIELDS ON	YEAST CELLS (IN GERMAN)	2714
RESONANT GROWTH RATE RESPONSE OF	YEAST CELLS IRRADIATED BY WEAK MICROWAVES	2697
ACTION OF MICROWAVES ON BACTERIA,	YEAST , AND DROSPHILA	3401
CTIVITY OF CHICKEN EGG PROTEINS AND	YOLK DURING EARLY STAGES OF INCUBATION	0219
CONVINCE	YOURSELF	1554
THE	ZAPPING OF AMERICA	2842
CT OF RADIO-FREQUENCY FIELDS ON THE	ZETA-POTENTIAL OF A COLLOIDAL SUSPENSION	3222
	ZONAL HARMONICS IN LOW FREQUNCY TERRESTRAIL KADIO WAVE PROPAGATION	3569
NEAR	ZONE MICROWAVE EXPOSURE OF A BIOLOGICAL SPHERE	1309
G THE RADII OF RADAR STATION DANGER	ZONES	3578
POWER DENSITY	ZONES IN THE VICINITY OF RADAR ANTENNAS	2790
EFFECT OF LESIONS OF SOME	ZONES OF THE BRAIN ON MITOSIS OF THE EPITHELIUM OF THE SMALL INTES	2854
ENCE OF A V.H.F. FIELD UPON CERTAIN	ZONES OF THE CEREBRAL CORTEX	2024

AUTHOR INDEX

A

AARONSON, T.
MYSTERY 0937+
OUT OF THE FRYING PAN. 3321+

ABADIR, R.
ENHANCEMENT OF IONIZING RADIATION EFFECT ON THE TESTES OF RATS BY MICROWAVE OR ULTRASOUND-INDUCED HYPERTHERMIA. 0125+

ABBOTT, J. R.
BIOCHEMICAL CHANGES IN THE BRAIN OF RATS EXPOSED TO MICROWAVES OF LOW POWER DENSITY 1141

ABDEL, S. M.
IMPROVED METHOD FOR CALCULATING DC CORONA LOSSES 3114

ABDULLA, U.
EFFECT OF DIAGNOSTIC ULTRASOUND ON MATERNAL AND FETAL CHROMOSOMES 2938+

ABE, I.
THE USE OF MICROWAVE HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE 1801

ABITA, J.
A MINIATURE BROAD-BAND ELECTRIC FIELD PROBE 1099

ABRAHAMSSON, L.
PROLACTIN RESPONSE TO ELECTROCONVULSIVE THERAPY 1879

ABRAMOVICH-POLIAKOV, D. K.
CLINICAL FEATURES OF THE EFFECT OF ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING. 0210+

ABRAMOVICH-POLYAKOV, D. K.
CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS 0627

ABRAMS, R.
DIENCEPHALIC STIMULATION AND THE EFFECTS OF ECT IN ENDOGENOUS DEPRESSION 1652+

ABRAMSON, D. I.
CHANGES IN PERIPHERAL BLOOD FLOW PRODUCED BY SHORT-WAVE DIATHERMY 0620+

ABROMAVAGE, M. M.
PROJECT SANGUINE'S ENVIRONMENTAL COMPATIBILITY ASSURANCE PROGRAM 2275

ACEVEDO, J.
A MICROWAVE DECOUPLED ELECTRODE FOR THE ELECTROENCEPHALOGRAM 0728
A MICROWAVE DECOUPLED BRAIN-TEMPERATURE TRANSDUCER 0809
AN RF DECOUPLED ELECTRODE FOR MEASUREMENT OF BRAIN TEMPERATURE DURING MICROWAVE EXPOSURE 2383

ACIMOVIC, R.
EFFECT OF GRADUALLY MODULATED ELECTRICAL STIMULATION ON THE PLASTICITY OF ARTIFICIALLY EVOKED MOVEMENTS 2861

ACKERMAN, J. T.
A PROCEDURE FOR CALCULATING THE THREE DIMENSIONAL ELECTRIC FIELD NEAR A MULTI-CONDUCTOR TRANSMISSION LINE, INCLUDING THE EFFECTS OF VERTICAL GROUND WIRES 3103

ADAMS, D. O.
RETINA: ULTRASTRUCTURAL ALTERATIONS PRODUCED BY EXTREMELY LOW LEVELS OF COHERENT RADIATION 0947+

ADAMS, J. E.
PAIN RELIEF BY ELECTRICAL STIMULATION OF THE CENTRAL GRAY MATTER IN HUMANS AND ITS REVERSAL BY NALOXONE 2858

ADAMS, R. L.
BIOLOGICAL EFFECTS OF EMR (RADIOWAVES AND MICROWAVES)-- EURASIAN COMMUNIST COUNTRIES 2579+

ADDINGTON, C. H.
STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES 1469
REVIEW OF THE WORK CONDUCTED AT U. OF BUFFALO--STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES 1576
THERMAL EFFECTS OF 200 MEGACYCLE(CW) IRRADIATION AS RELATED TO SHAPE, LOCATION AND ORIENTATION IN THE FIELD. 3316+
BIOLOGICAL EFFECTS OF MICROWAVE ENERGY AT 200 MC 3602+

ADEN, A. L.
ELECTROMAGNETIC SCATTERING FROM SPHERES WITH SIZES COMPARABLE TO THE WAVELENGTH 3442+

ADEY, W. R.
EFFECTS OF 60 HZ ENVIRONMENTAL ELECTRIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYSTEM. 0211+
EFFECTS OF MODULATED VHF FIELDS ON SPECIFIC BRAIN RHYTHMS IN CATS 0447
SENSITIVITY OF CALCIUM BINDING IN CEREBRAL TISSUE TO WEAK ENVIRONMENTAL ELECTRIC FIELDS OSCILLATING AT LOW FREQUENCY 0819
EFFECT OF LOW-LEVEL, LOW-FREQUENCY ELECTRIC FIELDS ON EEG AND BEHAVIOR IN MACACA NEMESTRINA 0831
INFLUENCE OF MICROWAVE RADIATION ON THE NERVOUS SYSTEM AND BEHAVIOR 0895+
INTRODUCTION: EFFECTS OF EMR ON THE NERVOUS SYSTEM 1056+
EFFECTS OF MODULATED VHF FIELDS ON THE CENTRAL NERVOUS SYSTEM 1060
EVIDENCE FOR COOPERATIVE MECHANISMS IN THE SUSCEPTIBILITY OF CEREBRAL TISSUE TO ENVIRONMENTAL AND INTRINSIC ELECTRIC FIELDS 1383+
EEG CONCOMITANTS OF EXPOSURE TO OSCILLATING ENVIRONMENTAL ELECTRIC FIELDS 1393+
WEAK ELECTRIC GRADIENTS CHANGE IONIC AND TRANSMITTER FLUXES IN CORTEX 1493
FACTORS AFFECTING THE RELEASE OF TAURINE FROM CAT BRAIN: THE ELECTRICAL EFFECTS OF TAURINE ON NORMAL AND SEIZURE PRONE CORTEX 1517
BRAIN INTERACTIONS WITH WEAK ELECTRIC AND MAGNETIC FIELDS 1660+
REINFORCEMENT OF TRANSIENT BRAIN RHYTHMS BY AMPLITUDE-MODULATED VHF FIELDS 1673
EFFECTS OF WEAK ELF FIELDS ON EFFLUX OF CALCIUM AND AN AMINO ACID TRANSMITTER (GABA) FROM BRAIN TISSUE 1989+
INTERACTIONS BETWEEN NERVOUS TISSUES AND WEAK ENVIRONMENTAL ELECTRIC FIELDS 2172

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EFFLUX OF CALCIUM AND AMINO ACIDS FROM CEREBRAL TISSUE WITH WEAK, LOW-FREQUENCY ELECTRIC FIELDS 2310+

AMPLITUDE-MODULATED, VERY HIGH FREQUENCY ELECTRIC FIELDS 2419

THE SENSORIUM AND THE MODULATION OF CEREBRAL STATES: TONIC ENVIRONMENTAL INFLUENCES ON LIMBIC AND RELATED SYSTEMS 2607+

MODELS OF MEMBRANES OF CEREBRAL CELLS AS SUBSTRATES FOR INFORMATION STORAGE 2608+

CALCIUM BINDING IN CEREBRAL TISSUE 2679

CRYOMAGNETIC AND OTHER REMOTE MEDICAL MONITORING TECHNIQUES: A REVIEW 2726+

EFFECTS OF WEAK LOW FREQUENCY FIELDS ON CALCIUM EFFLUX FROM CHICK AND CAT CEREBRAL TISSUE 2727

IONIC FACTORS IN RELEASE OF CALCIUM FROM CHICKEN CEREBRAL TISSUE BY ELECTROMAGNETIC FIELDS 3395

ADINOLET, I.

STIMULATION WITH AUTOMATIC RADIOFREQUENCY SYNCHRONIZATION AND PACING IN THE LONG-TERM TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN FRENCH) 3399

ADORJANT, C.

ELECTRICAL SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS 3428

ADRIAN, D. J.

AUDITORY AND VISUAL SENSATIONS STIMULATED BY LOW-FREQUENCY ELECTRIC CURRENTS 2760+

ADRIAN, R. H.

SOME DIELECTRIC PROPERTIES OF MUSCLE MEMBRANE AND THEIR POSSIBLE IMPORTANCE FOR EXCITATION-CONTRACTION COUPLING 2837

AFANACYEVA, L. R.

ON THE EFFECT OF THE ULTRA-HIGH FREQUENCY FIELD ON CERTAIN PATHOGENIC MICROORGANISMS 1506

AFSAR, M. N.

HIGH-FREQUENCY DIELECTRIC PROCESSES IN LIQUIDS 3250

AGARWAL, R.

A MINIATURE PORTABLE MICROWAVE POWER MONITOR 1146+

AGRAWAL, M. C.

VARIATION IN THE SURFACE-CHARGE DENSITY OF AN EXCITABLE NERVE MEMBRANE EXPOSED TO OPTICAL RADIATION 1839+

AGURAYYUYA, R.

A STUDY OF THE EFFECT OF RADIOFREQUENCY AND MICROWAVE EM FIELDS ON THE ENZYME-SUBSTRATE REACTION IN AQUEOUS SOLUTIONS AND ORGANIC SOLVENTS 2481

AHMED, A.

MICROWAVES INDUCE AN INCREASE IN THE FREQUENCY OF COMPLEMENT RECEPTOR-BEARING LYMPHOID SPLEEN CELLS IN MICE 2066

THE EFFECT OF MICROWAVES (2450 MHZ) ON THE IMMUNE SYSTEM IN MICE. II. FUNCTIONAL STUDIES 2350

IMMUNE RESPONSE OF MICE TO 2450-MHZ MICROWAVE RADIATION: OVERVIEW OF IMMUNOLOGY AND EMPIRICAL STUDIES OF LYMPHOID SPLENIC CELLS 2756

AHMED, N.

TUMOR ERADICATION BY RADIOFREQUENCY THERAPY 0741

AHMED, N. A.

DIELECTRIC PROPERTIES AND MEASUREMENT TECHNIQUES FOR BIOMOLECULES 1735+

EVIDENCE FOR COLLECTIVE MAGNETIC EFFECTS IN AN ENZYME LIKELIHOOD OF ROOM TEMPERATURE SUPERCONDUCTIVE REGIONS 1737+

ELECTRIC AND MAGNETIC PROPERTIES OF LYSOZYME AND OTHER BIOMOLECULES 1738+

AJMERA, R. C.

PLASMA IMPEDANCE ELEMENT IN AN ACTIVE FABROY-PEROT MICROWAVE RESONATOR 3308+

AKAOKA, I.

EFFECTS OF MAGNETIC FIELD ON INFLAMMATION 1932

AKHTAR, M.

FLUOROSCOPE-GENERATED EM INTERFERENCE IN AN EXTERNAL DEMAND PACEMAKER--REPT. OF A CASE 2370

AKIMOV, G. L.

ALTERNATING MAGNETIC FIELD EFFECT UPON HEALING OF ULCERS OF THE LOWER EXTREMITIES (IN RUSSIAN) 2719

AL-BADWAIHY, K. A.

AN UPPER BOUND ON COEFFICIENT OF TRANSMISSION OF MICROWAVE LEAKAGE INTO BIOLOGICAL TISSUES 1150

NEAR ZONE MICROWAVE EXPOSURE OF A BIOLOGICAL SPHERE 1309+

BIOLOGICAL THERMAL EFFECT OF MICROWAVE RADIATION ON HUMAN EYES 2151+

ALANI, S.

VITREO-RETINAL INJURIES DUE TO MICROWAVE RADIATION 2311+

ALBERT, E.

THE EFFECTS OF LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES 0220

ALBERT, E. H.

PERCEPTION AND EFFECTS ON LOCOMOTOR ACTIVITY IN AMERICAN EELS AND ATLANTIC SALMON OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS 1783

ALBERT, E. N.

CURRENT STATUS OF MICROWAVE EFFECTS ON THE BLOOD-BRAIN BARRIER 0360+

THE EFFECT OF 2450 MHZ MICROWAVE RADIATON ON LIVER ADENOSINE TRIPHOSPHATE (ATP) 0812+

DO MICROWAVES ALTER NERVOUS SYSTEM STRUCTURE? 1062+

EM FIELD EFFECTS IN NERVE TISSUE 1380

HISTOLOGICAL OBSERVATIONS ON CENTRAL NERVOUS SYSTEM 2170+

LIGHT AND ELECTRON MICROSCOPIC OBSERVATIONS ON HAMSTERS AFTER MICROWAVE IRRADIATION 2439+

LIGHT AND ELECTRON MICROSCOPIC OBSERVATIONS ON THE BLOOD-BRAIN BARRIER AFTER MICROWAVE IRRADIATION 2678+

MORPHOLOGIC ALTERATIONS IN HAMSTER BLOOD-BRAIN BARRIER AFTER MICROWAVE IRRADIATION 2787+

ALBERTI, S.

RISKS AND DAMAGES RESULTING FROM OCCUPATIONAL EXPOSURE TO HIGH FREQUENCY EM FIELDS (IN ITALIAN) 2395+

ALBERTSON, V. D.

POWER SYSTEM DISTURBANCES DURING A K-8 GEOMAGNETIC STORM: AUGUST 4, 1972 3107+

ALBRECHT, R. M.

MICROWAVE RADIATION: AN EPIDEMIOLOGIC ASSESSMENT 0406+

MICROWAVE RADIATION: AN EPIDEMIOLOGIC ASSESSMENT 3145

ALBRIGHT, M. L.

AN EXAMINATION OF REGENERATING HEPATIC TISSUE FOLLOWING IN VIVO EXPOSURE TO R. F. RADIATION 0867

AN EXAMINATION OF REGENERATING HEPATIC TISSUE SUBJECTED TO RADIO-FREQUENCY IRRADIATION 1270

ALDRICH, J. J.

TIME AND POWER THRESHOLDS FOR THE PRODUCTION OF LENS OPACITIES BY 12.3 CM. MICROWAVES 0664

ALEKSANDROV, N. N.

APPLICATIONS OF LOCAL EM HYPERTHERMIA IN ONCOLOGY 2803+

ALEKSANDROVSKAYA, M. M.
BARRIER MECHANISMS OF THE NEUROGLIA IN THE PROCESS OF INHIBITION UNDER THE EFFECT OF WEAK STIMULI 1990+

ALEKSEEV, S. I.
CHANGES IN CONDUCTIVITY OF ALAMETICIN-MODIFIED PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)
0002 PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS) 3433

ALFIERI, A. A.
SINGLE DOSE X-IRRADIATION AND CONCOMITANT HYPERTHERMIA ON A RADIORESISTANT FIBROSARCOMA IN THE MOUSE 2335

ALI, J. S.
THE EFFECT OF MICROWAVES (2450 MHZ) ON ISOLATED RAT LIVER MITOCHONDRIA 1076

EFFECTS OF NONIONIZING EMR ON SINGLE-CELL BIOLOGIC SYSTEMS 1086

A VERSATILE TEMPERATURE CONTROLLED EXPOSURE CHAMBER FOR MICROWAVE BIOEFFECTS RESEARCH 1283+

A COAXIAL AIR LINE MICROWAVE EXPOSURE SYSTEM: RESPIRATORY ACTIVITY OF MITOCHONDRIA IRRADIATED AT 2-4 GHZ 2175

A MICROWAVE POWER CONTROLLER FOR A RADIATION BIO-EFFECTS EXPOSURE FACILITY 3384+

THE EFFECTS OF MICROWAVE (2450) MHZ ON ISOLATED RAT LIVER MITOCHONDRIA 3554

ALLAM, D. S.
CONFERENCE REPORT: RADIO AND MICROWAVE RADIATIONS, APPLICATIONS AND POTENTIAL HAZARDS 3051+

ALLEN S. J.
RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK 0878

ALLEN, S. J.
STUDIES ON BLOOD BRAIN BARRIER PERMEABILITY AFTER MICROWAVE RADIATION 0021

PRIMATE PERFORMANCE ASSESSMENT FOLLOWING 3.2-GHZ EXPOSURES 0740

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIOFREQUENCY POWER 0742+

MEASUREMENTS OF POWER ABSORPTION BY HUMAN PHANTOMS IMMERSED IN RADIO-FREQUENCY FIELDS 1100+

MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 1778+

THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS 1779

MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 2190+

THEORETICAL CALCULATIONS OF POWER ABSORBED BY MONKEY AND HUMAN PROLATE SPHEROIDAL PHANTOMS IN AN IRRADIATION CHAMBER 2193

DESCRIPTIVE SUMMARY: RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK 2735

ORIENTATION EFFECTS ON MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHEMICAL CORRELATES 2800

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK. 2927

ALLEN, T. H.
DENSITY, FAT, WATER AND SOLIDS IN FRESHLY ISOLATED TISSUES 0444+

ALLIS, J. W.
CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES 0871+

DISCUSSION PAPER: IRRADIATION OF BOVINE SERUM ALBUMIN WITH A CROSSED-BEAM EXPOSURE-DETECTION SYSTEM 1083+

MEASURE OF ENZYMATIC ACTIVITY COINCIDENT WITH 2450 MHZ MICROWAVE EXPOSURE 1323

MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS, 1, ANALYSIS OF HEATING AND COOLING DATA 2729+

STEADY STATE EFFECTS OF MICROWAVE RADIATION ON MOLECULES OF BIOLOGICAL IMPORTANCE 2976+

PSEUDOSUBSTRATE BINDING TO RIBONUCLEASE DURING EXPOSURE TO MICROWAVE RADIATION AT 1.70 AND 2.45 GHZ 3382+

CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES 3383+

IRRADIATION OF BOUVINE SERUM ALBUMIN USING A CROSSED BEAM EXPOSURE/DETECTION SYSTEM 3555+

ALMERS, W.
SOME DIELECTRIC PROPERTIES OF MUSCLE MEMBRANE AND THEIR POSSIBLE IMPORTANCE FOR EXCITATION-CONTRACTION COUPLING 2837+

ALMOND, P. R.
THE EFFECTS ON CARDIAC PACEMAKERS OF IONIZING RADIATION AND ELECTROMAGNETIC INTERFERENCE FROM RADIOTHERAPY MACHINES 3417

ALOYANTS, G. A.
EXPERIENCE WITH DECIMETER WAVE THERAPY AS PART OF COMPREHENSIVE TREATMENT FOR PATIENTS WITH PEPTIC ULCER 2804

ALTMAN, P. L.
ENVIRONMENTAL BIOLOGY (TABLE 31) 3440

ALTMANN, G.
OXYGEN AND BIOCHEMICAL CHANGES FOLLOWING ELF EXPOSURE 2636+

TERRITORY CHOICE OF WHITE MICE UNDER FARADAY CONDITIONS AND IN ELECTRICAL FIELDS (IN GERMAN) 2637+

AMANO, K.
SINGLE NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM 3394+

ANDERS, F.
SPACE OSTEOPOROSIS: AN ELECTROMAGNETIC HYPOTHESIS 0175

ANDERSEN, J. B.
ADMITTANCE AND RADIATION EFFICIENCY OF THE HUMAN BODY IN THE RESONANCE REGION 3528+

ANDERSON, A.
A COMPARATIVE STUDY OF THE EFFECTS OF MICROWAVE RADIATION AND CONVENTIONAL HEATING ON THE REPRODUCTIVE CAPACITY OF DROSOPHILA MELANOGASTER. 2925

ANDERSON, A. P.
FEASIBILITY OF FOCUSED MICROWAVE ARRAY SYSTEM FOR TUMOUR IRRADIATION. 0296+

ANDERSON, B.
SPURIOUS RADIATION FROM MICROWAVE OVENS. 0347+

ANDERSON, G. E.
EFFECT OF 2450-MHZ MICROWAVES ON THE RADIATION RESPONSES OF X-IRRADIATED CHINESE HAMSTERS 0521

PROLONGATION OF LIFE DURING HIGH-INTENSITY MICROWAVE EXPOSURES 0715

A COAXIAL AIR LINE MICROWAVE EXPOSURE SYSTEM: RESPIRATORY ACTIVITY OF MITOCHONDRIA IRRADIATED AT 2-4 GHZ 2175

AN AUTOMATED BIO-INSULT RESEARCH FACILITY 2962

ANDERSON, J.
HISTOCHEMICAL AND ULTRASTRUCTURAL ANALYSIS OF THE EFFECT OF EMR ON RAT LIVER AND BRAIN 2356

ANDERSON, J. C.
ELECTRICAL PROPERTIES OF WET COLLAGEN 2089+

ANDERSON, L. B.
BIOLOGICAL EFFECTS OF HIGH STRENGTH ELECTRIC FIELDS ON SMALL LABORATORY ANIMALS. 0431

ANDERSON, W. A.
ANNUAL REPT. OF MICROWAVE RADIATION RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA. 0725+
THE EFFECT OF MICROWAVE RADIATION ON MORPHOLOGY AND FUNCTION OF RAT TESTIS 2893

ANDRE, G.
BIOLOGICAL EFFECTS OF AN ELECTRIC FIELD ON RATS AND RABBITS 1592

ANDRIANOVA, E. I.
VASCULAR CHANGES IN ANTERIOR SEGMENT OF THE EYE IN WORKERS SUBJECTED TO THE ACTION OF LOCAL VIBRATION AND HIGH- FREQUENCY EMR (IN RUSSIAN) 2073

ANDRIANOVA, L. A.
MOTOR ACTIVITY OF MUSCLES IN A MAGNETIC FIELD OF VARYING INTENSITY (IN RUSSIAN) 2216+

ANDRIYENKO, L. A.
REPRODUCTIVE FUNCTION 2871+

ANDRIYENKO, L. G.
EXPERIMENTAL STUDY OF EFFECTS OF INDUSTRIAL FREQUENCY EM FIELDS ON REPRODUCTIVE FUNCTION 2580+

ANGELAKOS, D. J.
WORKSHOP ON FUTURE DIRECTIONS OF ELECTROMAGNETICS OF CONTINUOUS MEDIA 3058+

ANGELL, J. B.
AN IC PIEZORESISTIVE PRESSURE SENSOR FOR BIOMEDICAL INSTRUMENTATION 0751

ANGRIST, A. A.
HAVE RADAR OVENS THE POTENTIAL TO DO HARM? 0961+

ANISIMOV, V.
IN THE MAGNETIC WEB 2093+

ANKERMULLER, F.
ON THE INFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC PROCESSES IN THE ATMOSPHERE OF MAN (IN GERMAN) 2624

ANNE, A. M.
RADIO FREQUENCY RADIATION HAZARDS 0554
RELATIVE MICROWAVE ABSORPTION CROSS SECTIONS OF BIOLOGICAL SIGNIFICANCE 3449+

ANNESTRAND, S. A.
BONNEVILLE POWER ADMINISTRATION'S PROTOTYPE 1100/1200 KV TRANSMISSION LINE PROTOTYPE 3170+

ANNETT, C. H.
LINAL MICROWAVE HAZARDS TO CARDIAC PACEMAKER WEARERS 0361+

ANNINOS, P. A.
DETECTION OF EMR FROM THE BRAIN 2312+

ANOHIN, P. K.
DISTURBANCE OF GOAL-SEEKING BEHAVIOR UNDER ACTION OF EM FIELD 2313+

ANONYMOUS
ANIMAL MIGRATION, NAVIGATION, AND HOMING 0003+
ARE MICROWAVES HARMLESS? (IN GERMAN) 0004+
MICROWAVE APPLICATORS HELP TREAT CANCER 0121+
ANIMALS FIND THEIR WAY 0124+
PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING EMR. 0212+
MICROWAVE: BASIC BACKGROUND AND TERMINOLOGY 0297+
MICROWAVES: THE RESULTS OF A SURVEY IN MANCHESTER. 0298+
CAN HIGH VOLTAGE CAUSE ENVIRONMENTAL HAZARDS? (IN NOR) 0318+
EFFORTS BY THE ENVIRONMENTAL PROTECTION AGENCY TO PROTECT THE PUBLIC FROM ENVIRONMENTAL NONIONIZING RADIATION EXPOSURES. 0362+
THE ENVIRONMENTAL PROTECTION AGENCY NEEDS CONGRESSIONAL GUIDANCE AND SUPPORT TO GUARD THE PUBLIC IN A PERIOD OF RADIATION PROLIFERATION 0363+
OVEN TESTERS: INEFFECTIVE INSTRUMENTS OR A POTENTIAL CONSUMER-SALES GOLD MINE? 0408+
HYPERTHERMIA IN THE TREATMENT OF THE CANCER PATIENT 0448+
TECHNICAL MANUAL FOR RADIOFREQUENCY RADIATION HAZARDS 0590+
BIOLOGICAL EFFECTS OF RADIO FREQUENCY RADIATION BIBLIOGRAPHY 0608+
SURVEY OF SELECTED INDUSTRIAL APPLICATION OF MICROWAVE ENERGY 0613+
THE EFFECT OF INSTRUMENT AVERAGING TIME ON MICROWAVE POWER DENSITY MEASUREMENTS 0614+
TECHNIQUES AND INSTRUMENTATION FOR THE MEASUREMENT OF POTENTIALLY HAZARDOUS EMR AT MICROWAVE FREQUENCIES 0616+
RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 0619+
ELECTRIC CURRENT SPARKS MAMMALIAN TISSUE REGENERATION 0739+
REPT. ON 'PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING EMR' 0767+
SECOND REPT. ON 'PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING EMR' 0768+
THIRD REPT. ON 'PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING EMR' 0769+
FOURTH REPT. ON 'PROGRAM FOR CONTROL OF EM POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING EMR' 0770+
HEALTH HAZARDS FROM EXPOSURE TO MICROWAVES 0783+
MICROWAVE EMISSIONS IN THE AIR: ARE THEY A BIOLOGICAL TIME BOMB? 0801+
A SYSTEM FOR CHRONIC BLOOD PRESSURE MEASUREMENT IN DOGS EXPOSED TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS 0865+
TADPOLE METAMORPHOSIS 0868+
INEXPENSIVE, PORTABLE RADIATION DETECTOR KEEPS TABS ON RADIO-RELAY AND MICROWAVE-OVEN LEAKS 0872+
SCREENING PROCEDURE RELIEVES CHRONIC PAIN 0976+
GONAD DOSES AND GENETICALLY SIGNIFICANT DOSE FROM DIAGNOSTIC RADIOL.: U. S., 1964 AND 1970 0986+
RADIOFREQUENCY RADIATION HEALTH HAZARDS CONTROL 1024+
TREATMENT OF MALIGNANT TUMORS WITH RADIOFREQUENCY REPORTED 1165+
BACKGROUND RADIATION LEVEL LIES NEAR 'DANGER' MARK 1178+
CLINICAL APPLICATIONS OF ELECTRIC CURRENT REMAIN LARGELY UNEXPLORED 1220+
PACEMAKER INTERFERENCE: A LOW RISK 1237+
TEST PROCEDURES FOR MEASUREMENT OF THE LEVEL OF RF ENERGY FROM VARIOUS DEVICES 1269+
MICROWAVE STUDY SHOWS NO BEHAVIORAL EFFECTS 1287+
EXPANDED LAB COMPLIANCE TESTING INITIATED FOR TV'S AND OVENS 1288+
1969 ANNUAL REPT. TO THE CONGRESS ON THE ADMINISTRATION OF

RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 PUBLIC LAW 90-602
1295+

HOW UNSEEN MICROWAVES ARE CHANGING YOUR LIFE
1347+

BIBLIOGRAPHY
1367+

A SUMMARY OF THE ERMAC WORK SESSION ON NERVOUS SYSTEM AND BEHAVIORAL EFFECTS OF NONIONIZING EM RADIATIONS
1391+

A REPT. ON A BIOMEDICAL TELEMETRY STANDARD FOR EMERGENCY MEDICAL COMMUNICATIONS
1427+

NAVY SPONSORED ELF BIOMEDICAL AND ECOLOGICAL RESEARCH SUMMARY
1431+

BROADCAST RADIATION LEVELS
1478+

THE EFFECTS OF IONIZING RADIATION IN COMBINATION WITH MICROWAVES ON THE PERMEABILITY OF HISTO-HEMATIC BARRIERS
1501+

LIFE AND THE MAGNETIC FIELD
1552+

CONVINCE YOURSELF
1554+

SAFETY FROM MICROWAVE HAZARDS IN USING MICROWAVE POWER EQUIPMENT--AN IMPI POLICY STATEMENT
1653+

SAFETY LEVEL OF EMR WITH RESPECT TO PERSONNEL
1707+

POLAR FREQUENCY DISCRIMINATORS
1722+

I.M.P.I. SUB-COMMITTEE ON THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION, 1ST REPT.
1739+

EMPOWERING BODY TO REGENERATE
1784+

NAVY SPONSORED ELF BIOLOGICAL AND ECOLOGICAL RESEARCH SUMMARY (UPDATE)
1790+

HEALING FRACTURES ELECTRICALLY
1833+

MICROWAVES--A PUBLIC MENACE?
1865+

ELECTROSHOCK: NEW SCRUTINY
1881+

AN EVALUATION OF THE BIOLOGICAL IMPACTS OF EXTREMELY LOW FREQUENCY EM RADIATIONS ASSOCIATED WITH THE NAVY SEAFARER COMMUNICATION SYSTEM
1885+

DEATH BY LIGHTNING
1894+

MICROWAVE HAZARDS
1908+

MICROWAVES FOR DIAGNOSIS AND THERAPY
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PERFORMANCE AND SAFETY STANDARDS FOR ELECTROSURGICAL DEVICES
1954+

PROCEDURES FOR FIELD TESTING MICROWAVE OVENS
1956+

CUT THE VAS OR WARM THE TESTES?
1965+

CANCER 'TREATMENT' IS ALL AT SEA
1968+

THE TRONADO MICROWAVE MACHINE: A FURTHER REPT.
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MICROWAVE OVENS: NOT RECOMMENDED
1986+

MICROWAVES AND PACEMAKERS--JUST HOW WELL DO THEY GO TOGETHER?
1987+

MICROWAVE OVENS
1988+

CHANGES IN METABOLISM OF NITROGENOUS SUBSTANCES IN ANIMAL NERVE TISSUE SUBJECTED TO AN EM FIELD OF ULTRAHIGH FREQUENCY
2044+

ELECTRIC CURRENT HASTENS BONE HEALING
2088+

TO HEAR HEART'S SIGNALS, A DEEP WELL
2095+

DIATHERMY SURVEY
2130+

MICROWAVE HAZARDS
2131+

WHAT PROOF OF MICROWAVE HAZARD?
2132+

FACT SHEET FOR THE SANGUINE SYSTEM FINAL ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH, DEVELOPMENT, TEST AND EVALUATION (VALIDATION AND FULL-SCALE DEVELOPMENT)
2283+

BIOLOGICAL EFFECTS OF MICROWAVES (COMPILATION OF ABSTRACTS)
2284+

PHYSICAL ENVIRONMENTAL FACTORS (MICROWAVE RADIATION AND HIGH VOLTAGE TRANSMISSION LINE EFFECTS)
2369+

BIOLOGIC EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH PROPOSED PROJECT SEAFARER
2457+

RECOMMENDED INSTALLATION AND SAFETY PROCEDURES FOR ALL OPEN BEAM MICROWAVE DEVICES
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RECOMMENDED INSTALLATION AND SAFETY PROCEDURES FOR ALL CLOSED CAVITY MICROWAVE DEVICES
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1976 ANNUAL REPORT: ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968, PUBLIC LAW 90-602
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A STUDY OF EARLY RADIATION-INDUCED BIOLOGICAL CHANGES AS INDICATORS OF RADIATION INJURY
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ANNUAL REPT. OF THE EASTERN ENVIRONMENTAL RADIATION LAB.: JANUARY-DECEMBER 1970
2575+

COMMON ENGINEERING TEST PROCEDURE: RADIO FREQUENCY RADIATION HAZARDS TO PERSONNEL
2605+

THE ROLE OF FREQUENCY IN PRODUCING SPECIFIC BIOLOGICAL EFFECTS FROM MICROWAVES (IN FRENCH)
2632+

CUTANEOUS MICROWAVE INJURY: REPORT OF TWO CASES
2838+

DEVELOPMENT OF LIQUID CRYSTAL MICROWAVE POWER DENSITY METER
2850+

A PARTIAL INVENTORY OF MICROWAVE TOWERS, BROADCASTING TRANSMITTERS, AND FIXED RADAR BY STATES AND REGIONS
2851+

AN EVALUATION OF SOVIET AND EAST EUROPEAN STUDIES RELATING TO THE PHYSIOLOGICAL EFFECTS ON HUMANS OF NONIONIZING ELECTROMAGNETIC RADIATION
2907+

PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING ELECTROMAGNETIC RADIATION
2972+

TRANSMISSION SYSTEMS OF ONE MILLION VOLTS TESTED
3011+

SANGUINE SYSTEM BIOLOGICAL/ECOLOGICAL RESEARCH PROGRAM
3075+

DIGEST OF TECHNICAL PAPERS
3093+

SAFETY GUIDE FOR THE PREVENTION OF RADIO FREQUENCY RADIATION HAZARDS IN THE USE OF ELECTRIC BLASTING CAPS
3131+

ANNUAL REPORT, 1975, ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968
3137+

PROCEEDINGS OF THE SYMPOSIUM ON EHV AC POWER TRANSMISSION HELD BY THE JOINT AMERICAN-SOVIET COMMITTEE ON COOPERATION IN THE FIELD OF ENERGY, WASHINGTON, DC
3155+

ELECTRICAL EFFECTS OF TRANSMISSION LINES
3158+

BASIC FACTORS BEARING ON THE FUTURE USE OF THE RADIO SPECTRUM, VOL I, SUMMARY
3161+

BASIC FACTORS BEARING ON THE FUTURE USE OF THE RADIO SPECTRUM, VOL II, TECHNICAL, SOCIAL, ECONOMIC AND ADMINISTRATIVE FACTORS
3162+

RESEARCH AND DEVELOPMENT FOR THE ELECTRIC UTILITY INDUSTRY 1975-2000
3165+

RESEARCH AND DEVELOPMENT IN TRANSMISSION AND DISTRIBUTION FOR THE ELECTRIC UTILITY INDUSTRY
3166+

ELECTROSTATIC AND ELECTROMAGNETIC EFFECTS OF OVERHEAD TRANSMISSION LINES
3173+

A SUMMARY OF THE FEDERAL GOVERNMENT'S USE OF THE RADIO FREQUENCY SPECTRUM
3174+

CONTROL OF HAZARDS TO HEALTH FROM MICROWAVE RADIATION 3190+

MICROWAVE DOSIMETRY WORKSHOP JOINT U. S. ARMY/GEORGIA INSTITUTE OF TECHNOLOGY 3218+

MICROWAVE BACKGROUND RADIATION. 3229+

ABSTRACTS-WARSAW MEETING. MICROWAVES 3233+

REPORT OF THE ARPA/TRI-SERVICE MILLIMETER WAVE WORKSHOP. 3240+

SELECTED ABSTRACTS 'MICROWAVES IN SERVICE TO MAN' 3242+

CONSUMER HAZARDS: WHY THEY HAPPEN. 3320+

MICROWAVE DIATHERMY (OPERATOR MANUEL). 3376+

SOVIETS EXPOSE MOSCOW EMBASSY TO MICROWAVE RADIATION 3599+

ANTICH, P.

SELECTIVE HEATING OF CUTANEOUS HUMAN TUMORS AT 27.12 MHZ 0048+

ANTIMONII, G. D.

DISTURBANCE OF GOAL-SEEKING BEHAVIOR UNDER ACTION OF EM FIELD 2313

CENTRAL MECHANISM OF ACTION OF ELECTROMAGNETIC FIELDS 2492

EFFECT OF A MODULATED EM FIELD ON SELF-STIMULATION RESPONSE IN RATS 2546+

HYPNOGENIC EFFECTS OF A MODULATED EM FIELD 2601

ANTIPOV, V. V.

INJURY AND RECOVERY OF THE MOUSE ORGANISM AFTER MICROWAVE (2,400 MHZ) IRRADIATION. (IN RUS.). 0194

BIOLOGICAL INTERACTION BETWEEN RADIOFREQUENCY EM WAVES AND IONIZING RADIATION 0910

ANTONOVA, E. F.

ON THE EFFECT OF THE ULTRAHIGH FREQUENCY FIELD ON CERTAIN PATHOGENIC MICROORGANISMS 1506

ANTYUKH, Y. V.

DETECTION OF MILLIMETER AND SUBMILLIMETER EMISSION BY MEANS OF JOSEPHSON JUNCTIONS 2314+

APPLETON, B.

MICROWAVE CATARACTS 0789+

MICROWAVE LENS EFFECTS IN HUMANS, PART II: RESULTS OF FIVE-YEAR SURVEY 0925+

MICROWAVE LENS EFFECTS IN HUMANS 1000+

INVESTIGATION OF SINGLE-EXPOSURE MICROWAVE OCULAR EFFECTS AT 3000 MHZ 1065+

EXPERIMENTAL MICROWAVE OCULAR EFFECTS 1258+

LETTER OF COMMENT ON M. M. ZARET'S 'CATARACTS FOLLOWING USE OF MICROWAVE OVEN' 2656+

EFFECTS OF REPEATED MICROWAVE IRRADIATIONS TO THE ALBINO RABBIT EYE 2682

RESULTS OF CLINICAL SURVEYS FOR MICROWAVE OCULAR EFFECTS (DHEW-FDA 73-8031) 2967+

ARAI, S.

RAPID MICROWAVE FIXATION OF RAT BRAIN 0040

ARANYI, C.

A PILOT STUDY OF THE INTERACTION OF EXTREMELY LOW FREQUENCY EM FIELDS WITH BRAIN ORGANELLES 0799

ARBER, S. L.

NECESSARY CONDITIONS FOR THE OBSERVATION OF THE BIOLOGICAL EFFECTS OF MIRCROWAVES (IN RUSSIAN) 0213+

INFLUENCE OF MICROWAVES ON THE RESTING POTENTIAL OF GIANT NEURONS OF THE MOLLUSK HELIX POMATIA (IN RUSSIAN) 2581+

ARCHER, V. E.

ANENCEPHALUS, DRINKING WATER, GEOMAGNITISM, AND COSMIC RADIATION 0005+

AREHART-TREICHEL, J.

SPERM DON'T LIKE IT HOT 1198+

ELECTROMAGNETIC POLLUTION: IS IT HURTING OUR HEALTH? 2612+

ARENS, J. F.

DANGER OF OVERWARMING BLOOD BY MICROWAVE 0445+

ARIEFF, I. B.

MICROWAVES: THE SILENT INVADERS. 2906+

ARIPOV, T. F.

MICROWAVE SATURATION EFFECTS ON PARAMAGNETIC CENTERS OF PROTEINS IRRADIATED WITH ULTRAVIOLET LIGHT 1476+

ARIPOVA, D. F.

MICROWAVE SATURATION EFFECTS ON PARAMAGNETIC CENTERS OF PROTEINS IRRADIATED WITH ULTRAVIOLET LIGHT 1476

ARKHIPENKO, V. I.

NONLINEAR EFFECT ON THE ABSORPTION OF MICROWAVES BY A PLASMA 0949+

ARLEVSKY, I. P.

THE EFFECT OF A DISCHARGE OF A HIGH-VOLTAGE CONDENSER ON THE OPTIC PROPERTIES OF THE FROG CARDIAC MUSCLE (IN RUSSIAN) 1398+

ARMSTRONG, E.

HEART ATTACKS AND GEOMAGNETIC ACTIVITY 0328

ARNAUD, Y.

REPT. ON THE MICROWAVE-PROTECTION OF BACTERIA EXPOSED TO GAMMA IRRADIATION 0995

NOTE ON THE RADIO PROTECTION EXERTED BY ULTRASHORT WAVES WITH RESPECT TO BACTERIA (IN FRENCH) 2627

ARONOFSKY, D. H.

REDUCTION OF DENTAL POSTSURGICAL SYMPTOMS USING NONTHERMAL PULSED HIGH-PEAK-POWER EM ENERGY 1810+

ARTHUR D. LITTLE INC.

SATELLITE SOLAR POWER STATION: AN OPTION FOR POWER GENERATION 2951+

ARTHUR, M. G.

PLENARY SESSION IV SUMMARY 'THE LAST, LAST WORD' 0299+

ARTSRUNI, G. G.

EFFECT OF ELECTROSTATIC FIELD ON ANTIBODY SYNTHESIS (IN RUSSIAN) 2229

ASABAEV, C.

DETERMINATION OF THRESHOLD OF SENSITIVITY OF THE RABBIT BRAIN TO PULSED SUPERHIGH-FREQUENCY EM FIELDS 1940+

ASANOVA, T. P.

THE HEALTH STATUS OF PEOPLE WORKING IN THE ELECTRIC FIELD OF OPEN 400-500 KV SWITCHING STRUCTURES 3087+

THE STATE OF HEALTH OF PERSONS WORKING IN THE ELECTRIC FIELD OF OUTDOOR 400 AND 500 KV SWITCHYARDS 3586+

ASBELLE, C.

ACCELERATED DRYING OF PLASTER CASTS WITH A MICROWAVE OVEN 2849+

ASCHOFF, J.

DESYNCHRONIZATION AND RESYNCHRONIZATION OF HUMAN CIRCADIAN RHYTHMS 0673+

ASCLAN, E. E.

A LOW FREQUENCY H-FIELD RADIATION MONITOR 2200+

ASH, N.

METABOLIC RATES IN FIVE ANIMAL POPULATIONS AFTER PROLONGED EXPOSURE TO WEAK EXTREMELY LOW FREQUENCY EM FIELDS IN NATURE 1108

IMPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS. ONGOING STUDIES AT THE PROJECT SANGUINE WISCONSIN TEST FACILITY, 1973 1689

IMPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS IN NATURE 1766

ASHLEMAN, B.
MICROWAVE INTERACTION WITH THE AUDITORY SYSTEMS OF HUMANS AND CATS 1046

MICROWAVE EFFECTS ON CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL FACTORS 2388

ASHLEMAN, B. T.
ANALYSIS OF CENTRAL NERVOUS SYSTEM INVOLVEMENT IN THE MICROWAVE AUDITORY EFFECT 1047

SOME EFFECTS OF EMR ON THE BRAIN AND SPINAL CORD OF CATS 1059

ASHLEY, D. B.
INTERDISCIPLINARY APPROACHES IN ELECTRICALLY MEDIATED BONE GROWTH STUDIES 2240

ASHLEY, W. H.
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3572

ASLAN, E.
THE MATURING OF EMR HAZARD INSTRUMENTS. 0126+

ASLAN, E. E.
A BROAD-BAND ISOTROPIC PROBE FOR MICROWAVE POWER DENSITY MEASUREMENTS 2437+

ELECTROMAGNETIC RADIATION METER 2949+

ASSENHEIM, H. M.
PERMEABILITY OF THE BLOOD-BRAIN BARRIER TO MANNITOL IN THE RAT FOLLOWING 2450 MHZ MICROWAVE IRRADIATION 0313

ASTLE, L.
PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES. 0414

ATHEY, T. W.
RESULTS OF THE EPA ENVIRONMENTAL RE RADIATION MEASUREMENTS PROGRAM 0075

THE USE OF AN AUTOMATED POPULATION DATA BASE IN POPULATION EXPOSURE CALCULATIONS 1196+

AN AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSITIES II 1717

NONIONIZING RADIATION EXPOSURE IN URBAN AREAS OF THE UNITED STATES 2056

AN EXAMINATION OF ELECTRIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES 2609

RADIO-FREQUENCY RADIATION LEVELS IN URBAN AREAS 2734

ATINAULT, A.
POINT ELECTROANESTHESIA (GENERAL ELECTROPHARMACEUTICAL ANESTHESIA 1224

ATKINSON, E. R.
MICROWAVE-INDUCED HYPERTHERMIA DOSE DEFINITION 0043+

ASSESSMENT OF CURRENT HYPERTHERMIA TECHNOLOGY. 0128+

THE EFFECT OF HYPERTHERMIA ON HUMAN COLON CANCER XENOGRAFTS IN NUDE MICE. 0337

HYPERTHERMIA DOSE DEFINITION 2639+

ATLAN, H.
REPT. ON THE MICROWAVE-PROTECTION OF BACTERIA EXPOSED TO GAMMA IRRADIATION 0995

ATLAN, M. H.
NOTE ON THE RADIO PROTECTION EXERTED BY ULTRASHORT WAVES WITH RESPECT TO BACTERIA (IN FRENCH) 2627+

ATOIAN, G. E.
ARE THERE BIOLOGICAL AND PSYCHOLOGICAL EFFECTS DUE TO EXTRA HIGH VOLTAGE INSTALLATIONS 1217+

AUDA, S. P.
SELECTIVE TUMOR HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY. 0364+

AUDUS, L. J.
MAGNETOTROPISM: A NEW PLANT-GROWTH RESPONSE 2094+

FURTHER STUDIES IN MAGNETOTROPISM 2606

AUGUSTINE, C. F.
FIELD DETECTOR WORKS IN REAL TIME. 3360+

MICROWAVE HOLOGRAMS USING LIQUID CRYSTAL DISPLAYS. 3361+

MICROWAVE HOLOGRAPHY USING LIQUID CRYSTAL AREA DETECTORS. 3362+

AURELL, E.
RETINAL CHANGES IN MICROWAVE WORKERS 0891

LENTICULAR AND RETINAL CHANGES SECONDARY TO MICROWAVE EXPOSURE 1861+

THE EFFECT OF MICROWAVE RADIATION ON THE EYE 2472+

AUSTIN, B. P.
EVALUATION OF ELECTROCHEMICAL INFORMATION TRANSFER SYSTEM, PART I: EFFECT OF ELECTRIC FIELDS ON LIVING ORGANISMS 0696

EFFECT OF CONTINUOUS EXPOSURE TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON RATS 1421

AUSTIN, B. S.
ANNUAL REPT. OF MICROWAVE RADIATION RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA. 0725

AUSTIN, G. N.
PRODUCTION OF CONVULSIONS IN RATS BY HIGH FREQUENCY ELECTRICAL CURRENTS 1991+

AUTHOR UNKNOWN
OCCUPATIONAL SAFETY AND HEALTH STANDARDS; NATIONAL CONCENSUS STANDARDS AND ESTABLISHED FEDERAL STANDARDS 2966+

CONFERENCE OF PRECISION ELECTROMAGNETIC MEASUREMENTS 2974+

ENGLISH SUMMARIES OF MICROWAVE BIOEFFECTS WORK 3007+

INTERNATIONAL SYMPOSIUM ON BIOLOGIC EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADIATION. 3069+

SAFETY STANDARDS AND REGULATIONS FOR HANDLING SOURCES OF HIGH, ULTRAHIGH, AND SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELDS 3109+

THE APPLICATION OF SOCIAL AND ECONOMIC VALUES TO SPECTRUM MANAGEMENT: INTERIM REPORT 3163+

LEAKAGE VARIATIONS FROM MICROWAVE OVENS. 3228+

EVALUATION OF THE HEALTH OF PERSONNEL WORKING NEAR PROJECT SANGUINE TEST FACILITY FROM 1971 TO 1972 3273+

OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2 3274+

ELECTRIC POWER AND THE ENVIRONMENT 3275+

EFFECTS OF LOW FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS 3276+

PROJECT SANGUINE BIOLOGICAL EFFECTS TEST PROGRAM PILOT STUDIES 3279+

INVESTIGATOR'S CONFERENCE ON BIOLOGICAL EFFECTS OF ELECTRONIC RADIATING EQUIPMENTS 3453+

ACCURATE MEANS OF MEASURING RF-POWER DEVELOPED 3454+

SPECIFICATIONS FOR TECHNIQUES AND INSTRUMENTATION FOR EVALU-

ATING RADIO-FREQUENCY HAZARDS TO PERSONNEL
3460+

SOME BIOCHEMICAL CHANGES IN WORKING EXPOSED TO CENTIMETER WAVES
3478+

AGENCIES REACT TO ELECTROMAGNETIC RADIATION RISKS
3502+

PANEL ON MAGNETIC, RADIOFREQUENCY AND OTHER FIELD EFFECTS
3506+

CONSTRUCTION AND CALIBRATION OF PARELLEL PLATE TRANSMISSION LINE FOR ELECTROMAGNETIC INTERFERENCE SUSCEPTIBILTY TESTING
3513+

PERMISSIBLE NONIONIZING EXPOSURE TO RF ENERGY & DEPARTMENT OF LABOR RULES AND REGULATIONS
3516+

RECOMMENDED GUIDE FOR MAKING DIELECTRIC MEASUREMENTS IN THE FIELD
3517+

RECOMMENDED PRACTICE FOR MEASUREMENT OF FIELD INTENSITY ABOVE 300 MC FROM RADIO-FREQUENCY INDUSTRIAL, SCIENTIFIC AND MEDICAL EQUIPMENTS
3518+

RESEARCH PROJECT TO STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. I
3519+

PERFORMANCE STANDARDS FOR ELECTRONIC EQUIPMENT AS THEY APPLY TO PERSONNEL EXPOSURE LIMITS TO DESIGNATED RADIATIONS (PROPOSED)
3526+

MICROWAVES CAN KILL AND MAIM
3533+

MICROWAVE DOSIMETRY WORKSHOP
3538+

RADIATION HEALTH HAZARDS AND PROTECTION
3540+

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS
3541+

WHOLE ORGAN FREEZING AND THAWING-HEAT TRANSFER AND THERMAL PROPERTIES
3543+

BACKGROUND MATERIAL FOR THE DEVELOPMENT OF RADIATION PROTECTION STANDARDS
3546+

PROPERTIES OF LIQUID CRYSTALS AND THEIR APPLICATION TO THE MEASUREMENT OF MICROWAVE AND INFRARED RADIATION
3547+

BILOLOGICAL EFFECTS OF MICROWAVES: FUTURE RESEARCH DIRECTIONS
3548+

RESULTS OF MEASUREMENTS OF ELECTRIC FIELD STRENGTH NEAR A 765 KV OVERHEAD POWER TRANSMISSION LINE
3558+

HEALTH EFFECTS OF IONIZING AND NON-IONIZING RADIATION- REPORT ON A WORKING GROUP
3560+

ELECTROMAGNETIC FIELD STRENGTH FOR FREQUENCIES BELOW 1000 MHZ IN RADIO WAVE PROPAGATION
3561+

TIPS ON HOW TO BEHAVE NEAR HIGH VOLTAGE POWER LINES
3566+

RADIATION BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1967
3574+

RADIATION BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1968
3575+

RADIOLOGICAL HEALTH RESEARCH SUMMARY REPORT JULY 1965-DECEMBER 1966
3576+

BIOLOGICAL EFFECTS OF MILLIMETER-BAND ELECTROMAGNETIC RADIATION
3581+

SUMMARY OF THE ERMAN WORK SESSION ON NERVOUS SYSTEM AND BEHAVORIAL EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIATIONS
3584+

PERFORMANCE STANDARD FOR MICROWAVE DIATHERMY PRODUCTS
3608+

SUPPLEMENT TO THE SANGUINE SYSTEM FINAL ENVIRONMENTAL IMPACT STATEMENT FOR RESEARCH, DEVELOPMENT, TEST AND EVALUATION
3612+

AVADHANI, N. G.

EFFECTS OF NON-IONIZING AND IONIZING RADIATIONS ON THE TRANSFORMING ABILITY OF E. COLI DNA
2467

AVANZO, R. C.

BIOPHYSICAL ASPECTS OF HIGH WAVELENGTH EMR (IN ITALIAN)
1792

AVERBECK, D.

DETERMINATION OF A THERMAL EQUIVALENT OF MILLIMETER MICROWAVES IN LIVING CELLS.
0413

MICROWAVES ACTION IN PROCARYOTIC AND EUCARYOTIC CELLS AND A POSSIBLE INTERACTION WITH X-RAYS
1137+

EFFECTS OF EMR OF MILLIMETRIC WAVELENGTH ON BACTERIAL GROWTH
1650

ACTION OF MICROWAVES ON BACTERIA, YEAST, AND DROSPHILA
3401

AYIVORH, S. C.

CONTROL MECHANISMS AND THE ACTION OF WEAK ELECTRIC CURRENTS IN THE ACCELERATION OF WOUND HEALING AND FRACTURE UNION
1825

AYVAZYAN, A. A.

EFFECT OF A UHF ELECTRIC FIELD ON SPERMATOGENESIS.
0224

B

B. R. H./D. E. P.

SURVEY OF SELECTED INDUSTRIAL APPLICATIONS OF MICROWAVE ENERGY, BRH/DEP 70-10
3029+

LEAKAGE VARIATIONS FROM MICROWAVE OVENS, BRH/DEP 70-11
3030+

THE EFFECT OF INSTRUMENT AVERAGING TIME ON MICROWAVE POWER DENSITY MEASUREMENTS, BRH/DEP 70-12
3031+

PRESENT FESMDERAL CONTROL OF HEALTH HAZARDS FROM ELECTRONIC PRODCUCT RADIATION AND OTHER TYPES OF IONIXING RADIATION, BRH/DEP 70-28
3035+

B., J.

DO ELECTRICAL FIELDS HAVE BIOLOGICAL EFFECT? (IN DUTCH)
2582+

BABIJ, T. M.

POWER DENSITY MEASUREMENTS IN THE NEAR FIELDS
1149+

SYNTHESIS OF FREQUENCY RESPONSE OF ELECTRIC FIELD PROBES
2217+

BACH, S. A.

EFFECTS OF RADIO-FREQUENCY ENERGY ON PRIMATE CEREBRAL ACTIVITY
1993

EFFECTS OF RADIO-FREQUENCY ENERGY ON HUMAN GAMMA GLOBULIN
2952+

BIOLOGICAL SENSITIVITY TO RADIO-FREQUENCY AND MICROWAVE ENERGY
2953+

ACTIVITY CHANGES IN ALPHA-AMYLASE SOLUTIONS FOLLOWING THEIR EXPOSURE TO RADIO-FREQUENCY ENERGY
2954+

BACHMAN, C. H.

SOME EFFECTS OF HIGH ELECTRICAL FIELDS ON BARLEY GROWTH
1978+

EFFECT OF MAGNETIC FIELDS ON REACTION TIME PERFORMANCE
2107

BACHURIN, V. I.

EFFECT OF SMALL DOSE OF ELECTROMAGNETIC WAVES ON SOME ORGANS AND SYSTEMS OF MAN (IN RUSSIAN)
0319+

BADESCU, L.

STUDIES ON THE EXPOSURE OT ELECTROMAGNETIC FIELDS IN THE COURSE OF HEAT TREATMENT OF METALS BY MEDIUM- HIGH-FREQUENCY CURRENTS (IN RUM)
3409

BADIKOV, V. I.

EFFECT OF A MODULATED EM FIELD ON SELF-STIMULATION RESPONSE IN RATS
2546

BADOUR, S. S.
THE EFFECTS OF MICROWAVES ON GREEN ALGAE 3235

BAERWALD, H.
EFFECTS, PROTECTIVE MEASURES, AND MEDICO-MILITARY ASPECTS IN CONNECTION WITH MICROWAVES 3191+

BAGEL, G. Y.
ELECTROSTIMULATION BY SINUSOIDAL MODULATED CURRENT IN INTEGRATED TREATMENT OF PATIENTS WITH SPINAL CORD DISEASES AND WITH SPASTIC AND MIXED PARESES. 0215+

BAGSHAW, R. J.
ASSESSMENT OF CEREBROVASCULAR HYDRAULIC INPUT IMPEDANCE 1883+

BAILEY, P.
HIGH INTENSITY RADIATION PRODUCES CONVULSIONS, DEATH IN MONKEY 0621+

BAILLIE, H. D.
RAPID WARMING FROM HYPOTHERMIA BY MICROWAVES 1272+
THERMAL AND NONTHERMAL CATARACTOGENESIS BY MICROWAVES 1526+
THE DISSIPATION OF MICROWAVES AS HEAT IN THE EYE 1531+

BAIRD, J. K.
EFFECTS OF ELECTROMAGNETIC PULSE (EMP) ON A POWER SYSTEM 3074

BAIRD, R. C.
METHODS OF CALIBRATING MICROWAVE HAZARD METERS 0880+
MEASUREMENTS OF MICROWAVE RADIATION 0897+
NON-IONIZING ELECTROMAGNETIC RADIATION STANDARDIZATION 2689+

BAKAUSHINA, G. F.
THE POSSIBLE ROLE OF WATER IN TRANSFER OF MILLIMETER RANGE RADIATION TO BIOLOGICAL OBJECTS. 0241

BAKER, B.
ELECTRICAL STIMULATION OF ARTICULAR CARTILAGE REGENERATION 2238+

BAKER, D. G.
THE USE OF 2450 MHZ OF MICROWAVE IN CANCER THERAPY. 0170

BAKER, K. F.
SOIL TREATMENT BY MICROWAVE ENERGY TO DESTROY PLANT PATHOGENS 3471+

BAKER, N. R.
EFFECT OF AN ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS 2036
THE BEHAVIOR OF TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS 2086
ANTI-HIJACKING EFFORTS AND CARDIAC PACEMAKERS–REPORT OF A CLINICAL STUDY 2969

BAKER, R. E.
PROJECT SANGUINE: OVERVIEW AND STATUS OF THE NAVY'S ELF COMMUNICATIONS SYSTEM CONCEPT 1667+

BAKER, R. J.
EXPERIMENTAL ARRANGEMENT FOR IN VIVO X-RAY AND MICROWAVE IRRADIATION OF SMALL ANIMALS 2315+
CARDIAC PACEMAKERS AND EMI FROM THERAPEUTIC RADIATION GENERATING MACHINES 2316+
A SYSTEM FOR DEVELOPING MICROWAVE INDUCED HYPERTHERMIA IN SMALL ANIMALS 2454+
A SYSTEM FOR DEVELOPING MICROWAVE-INDUCED HYPERTHERMIA IN SMALL ANIMALS. 2922+

BALDERSTON, G.
PROGRESS REPORT OF EPRI PROJECT UHV 3124+

BALDWIN, B. R.
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3572
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3573+

BALDWIN, M.
EFFECTS OF RADIO-FREQUENCY ENERGY ON PRIMATE CEREBRAL ACTIVITY 1993+
EXPERIMENTAL DESIGNS IN THE STUDY OF BIOLOGICAL EFFECTS DURING RADIO FREQUENCY TRANSMISSION 2940

BALL, H. J.
METABOLISM IN THE YELLOW MEALWORM, TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE), FOLLOWING EXPOSURE TO RADIOFREQUENCY ELECTRIC FIELDS 0493
MORPHOLOGICAL ABNORMALITIES RESULTING FROM RADIOFREQUENCY TREATMENT OF LARVAE OF TENEBRIO MOLITOR 0964
LETHAL EFFECTS OF RADIOFREQUENCY ENERGY ON EGGS OF TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) 0985
SPERMATOZOAN ACTIVITY AND INSEMINATION IN TENEBRIO MOLITOR FOLLOWING RADIOFREQUENCY ELECTRICAL TREATMENT (COLEOPTERA: TENEBRIONIDAE) 1927
MORPHOLOGICAL CHANGES IN ADULT TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) RESULTING FROM RADIOFREQUENCY OR HEAT TREATMENT OF LARVAE OR PUPAE 1976

BALLANTINE, T. V.
THE EFFECT OF HYPERTHERMIA ON SURVIVAL IN TRANSPLANTED LYMPHOSARCOMA 0019

BALLARIO, C.
MICROWAVE DIELECTRIC LOSS OF BACILLUS SUBTILIS SPORES IN AQUEOUS SUSPENSIONS 0960+

BALLDIN, J.
PROLACTIN RESPONSE TO ELECTROCONVULSIVE THERAPY 1879

BALLING, P.
ADMITTANCE AND RADIATION EFFICIENCY OF THE HUMAN BODY IN THE RESONANCE REGION 3528

BALUTINA, A. P.
PATHOHISTOLOGICAL CHANGES IN THE EYES OF RABBITS EXPOSED TO SUPER-HIGH FREQUENCY RADIATION 0963+
EXPERIMENTAL INJURY TO THE EYE WITH ULTRA-HIGH-FREQUENCY EM FIELDS 1859+
EFFECT OF CONTINUOUS AND INTERMITTENT IRRADIATION BY AN ULTRAHIGH-FREQUENCY FIELD ON THE RABBIT EYE 1860+

BALZANO, Q.
HEATING OF BIOLOGICAL TISSUE IN THE INDUCTION FIELD OF PORTABLE RADIO TRANSMITTERS 3151+

BANKOSKE, J. W.
ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 1372+
ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 2449
ENVIRONMENTAL IMPACT OF 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS 2833

BANNISTER, P. R.
ELF FIELD STRENGTH MEASUREMENTS MADE IN CONNECTICUT DURING 1974 3138+

BAR-SHALOM, Y.
OPTIMAL RESOURCE ALLOCATION FOR AN ENVIRONMENTAL SURVEILLANCE SYSTEM 3188+

BARAFF, A. A.
MEDICAL CONSIDERATIONS OF EXPOSURE TO MICROWAVES (RADAR) 0604
PHYSICAL EVALUATION OF PERSONNEL EXPOSED TO MICROWAVE EMANATIONS 2895

BARANOV, V. K.
EFFECT OF IMPULSE ELECTRICAL CURRENT ON REPARATIVE REGENERATION OF THE BONE TISSUE (IN RUSSIAN) 2075
EFFECT OF A PULSED ELECTRIC CURRENT ON THE COURSE OF REPARATIVE OSTEOGENESIS 2822

BARANSKA, W.

THE EFFECTS OF MICROWAVES ON HUMAN LYMPHOCYTE CULTURES 2317+

BARANSKI, S.

EFFECT OF CHRONIC MICROWAVE IRRADIATION ON THE BLOOD FORMING SYSTEM OF GUINEA PIGS AND RABBITS 0622+

EXPERIMENTAL MORPHOLOGIC AND ELECTROENCEPHALOGRAPHIC STUDIES OF MICROWAVE EFFECTS ON THE NERVOUS SYSTEM 1063+

INFLUENCE OF MICROWAVES ON GENETICAL PROCESSES OF ASPERGILLIUS NIDULANS 1140+

PHARMACOLOGIC ANALYSIS OF MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM IN EXPERIMENTAL ANIMALS 1250+

EFFECTS OF MICROWAVE IRRADIATION IN VITRO ON CELL MEMBRANE PERMEABILITY 1256+

BIOLOGICAL EFFECTS OF MICROWAVES 1387+

HISTOLOGICAL AND HISTOCHEMICAL EFFECT OF MICROWAVE IRRADIATION ON THE CENTRAL NERVOUS SYSTEM OF RABBITS AND GUINEA PIGS 1492+

EFFECT OF MICROWAVES ON THE MORPHOLOGY AND FUNCTION OF THE THYROID GLAND (IN POLISH) 1923+

ELECTROENCEPHALOGRAPHIC AND MORPHOLOGICAL INVESTIGATIONS ON THE INFLUENCE OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM 1945+

STUDIES ON THE COMBINED EFFECT OF MICROWAVES AND SOME DRUGS ON BIOELECTRIC ACTIVITY OF THE RABBIT CENTRAL NERVOUS SYSTEM 1946+

INVESTIGATION OF THE EFFECT OF IRRADIATION CONDITIONS ON THE NERVOUS SYSTEM OF PERSONS WORKING WITHIN THE REACH OF MICROWAVES 2008

EFFECT OF MICROWAVES ON THE RESPONSES OF WHITE BLOOD CELL SYSTEM 2318+

EFFECT OF MICROWAVES ON THE REACTIONS OF THE WHITE BLOOD CELLS SYSTEM. 3255+

BIOLOGICAL EFFECTS OF CM-WAVES AND DM-WAVES 3476

BARBENZA, G. H.

MEASUREMENT OF COMPLEX PERMITTIVITY OF LIQUIDS AT MICROWAVE FREQUENCIES. 3290+

BARBER, D. E.

THE REACTION OF LUMINOUS BACTERIA TO MICROWAVE RADIATION EXPOSURES IN THE FREQUENCY RANGE OF 2608.7-3082.3 MC. 3220+

BARBER, P. W.

ELECTROMAGNETIC ABSORPTION IN A MULTILAYERED MODEL OF MAN. 0127+

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK 0878

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIO FREQUENCY POWER 1684

NUMERICAL STUDY OF EM POWER DEPOSITION IN BIOLOGICAL TISSUE BODIES 2192+

EM FIELDS IN A HOMOGENEOUS MODEL OF MAN 2319+

DESCRIPTIVE SUMMARY: RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK 2735

EM POWER DEPOSITION IN PROLATE SPHEROID MODELS OF MAN AND ANIMALS AT RESONANCE 2785+

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK. 2927

BARDOV, V. G.

RELATIONSHIP BETWEEN THE FREQUENCY OF HYPERTONIC CRISES AND CHANGES OF THE SOLAR ACTIVITY AND THE EARTH'S MAGNETIC FIELD INTENSITY (IN RUSSIAN) 2690+

BARGHAUSEN, A. F.

INTERFERENCE AND COMPATIBILITY MONITORING AND MEASUREMENTS FOR UHF SATELLITE EARTH TERMINALS 3510

OTP/OT FREQUENCY MANAGEMENT MEETING ON MEASUREMENTS/ MONITORING, NOTES ON BACKGROUND AND PROPOSED INTERIM PROGRAM 3511+

BARNES, F. C.

EFFECTS OF NON-IONIZING ELECTROMAGNETIC RADIATION ON BIOLOGICAL MATERIALS: REPORT ON A WORKSHOP HELD OCTOBER 7-8, 1971 3024+

BARNES, F. S.

THRESHOLD EFFECTS OF MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS 1090

EFFECTS OF NON-IONIZING EMR ON BIOLOGICAL MATERIALS 1222+

MODEL FOR SOME NONTHERMAL EFFECTS OF RADIO AND MICROWAVE FIELDS ON BIOLOGICAL MEMBRANES 2691+

BARNES, H. C.

RATIONAL ANALYSIS OF ELECTRIC FIELDS IN LIVE LINE WORKING 0968+

EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY 0969

BODY CURRENTS IN LIVE LINE WORKING 0974

BODY CURRENTS IN LIVE LINE WORKING 3015

EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY 3016

TESTS PROVE SHIELDING KEEPS LINEMEN SAFE WORKING EHV 3101+

BARNES, P. R.

THE EFFECTS OF ELECTROMAGNETIC PULSE (EMP) ON STATE AND LOCAL RADIO COMMUNICATIONS 3073+

TRANSIENT RESPONSE OF LOW FREQUENCY VERTICAL ANTENNAS TO HIGH ALTITUDE NUCLEAR ELECTROMAGNETIC PULSE (EMP) 3098+

BARNOTHY, J. M.

MAGNETIC FIELDS AND THE NUMBER OF BLOOD PLATELETS 2096

BARNOTHY, M. F.

MAGNETIC FIELDS AND THE NUMBER OF BLOOD PLATELETS 2096+

ABNORMALITIES IN ORGANS OF MICE INDUCED BY A MAGNETIC FIELD 2097+

BARRAR, R. B.

ON THE FRESNEL APPROXIMATION. 3293+

BARRETT, A. H.

MICROWAVE THERMOGRAPHY: APPLICATION TO THE DETECTION OF BREAST CANCER, 2:375-385, 1978 0066+

MICROWAVE THERMOGRAPHY: PRINCIPLES, METHODS AND CLINICAL APPLICATIONS. 0261

DETECTION OF BREAST CANCER BY MICROWAVE RADIOMETRY 2750+

BARRON, C. I.

MEDICAL CONSIDERATIONS OF EXPOSURE TO MICROWAVES (RADAR) 0604+

MEDICAL CONSIDERATIONS OF EXPOSURE TO MICROWAVES (RADAR) 1570+

PHYSICAL EVALUATION OF PERSONNEL EXPOSED TO MICROWAVE EMANATIONS 2895+

BARSEGYAN, L. K.

THE INFLUENCE OF A CONSTANT MAGNETIC FIELD ON THE CONCENTRATION OF FREE RADICALS IN THE ORGANS AND TISSUES OF MICE 2488

BARTHAKUR, N.

STOMATAL RESPONSE TO MICROWAVE INDUCED THERMAL STRESSES 0847+

USE OF MICROWAVE RADIATION TO STUDY PLANT-ENVIRONMENT INTERACTIONS 1803+

BARTHOLD, L. H.

ELECTROMAGNETIC EFFECTS OF OVERHEAD TRANSMISSION LINES, PRATICAL PROBLEMS, SAFEGUARDS, AND METHODS OF CALCULATION 3104+

BARTHOLD, L. O.
ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZARDS AND EFFECTS 3009+

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCULATION 3010+

ELECTROSTATIC AND ELECTROMAGNETIC ENVIRONMENTAL CRITERIA FOR EHV OVERHEAD TRANSMISSION LINES 3169+

BARTLEY, M. H.
ELECTRICAL ENHANCEMENT OF HEALING IN COMBAT INJURIES TO HARD AND SOFT TISSUES 1428

BASAVARAJU, K.
A NON-INVASIVE, PARTIAL-BODY EXPOSURE METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF BIOLOGICAL SUBSTANCES AT MICROWAVE FREQUENCIES 0088

BASSEN, H.
PRECISE CALIBRATION OF PLANE-WAVE MICROWAVE POWER DENSITY USING POWER EQUATION TECHNIQUES 0057+

AN EMR SAFETY CONTROLLER. 0130+

A LIMITED EVALUATION OF CICOIL 'PERSONAL RF RADIATION HAZARD DETECTOR' 0214+

A MINIATURE BROAD-BAND ELECTRIC FIELD PROBE 1099+

A BROADBAND, MINIATURE, ISOTROPIC ELECTRIC FIELD MEASUREMENT SYSTEM 1744+

EM PROBE WITH FIBER OPTIC TELEMETRY SYSTEM 1930+

METHODS AND INSTRUMENTATION FOR THE EVALUATION AND CALIBRATION OF MICROWAVE SURVEY INSTRUMENTS 2205

COMPLETE MEASUREMENT OF EM FIELDS WITH ELECTRO-OPTICAL CRYSTALS 2206+

EXPERIMENTAL CALIBRATION OF A MINIATURE, ELECTRIC FIELD PROBE WITHIN SIMULATED MUSCULAR TISSUES 2207

INTERNAL DOSIMETRY AND EXTERNAL MICROWAVE FIELD MEASUREMENTS USING MINIATURE ELECTRIC FIELD PROBES 2668+

EVALUATION OF AN IMPLANTABLE ELECTRIC-FIELD PROBE WITHIN FINITE SIMULATED TISSUES 2731+

PRECISE MICROWAVE POWER DENSITY CALIBRATION METHOD USING THE POWER EQUATION TECHNIQUES 3625

BASSEN, H. I.
METHODS FOR THE EVALUATION AND CALIBRATION OF MICROWAVE SURVEY INSTRUMENTS 0058

AN EVALUATION OF MICROWAVE EMISSIONS FROM SENSORMATIC ELECTRONIC SECURITY SYSTEMS. 0407+

PERTURBATION EFFECT OF ANIMAL RESTRAINING MATERIALS ON MICROWAVE EXPOSURE 1610

MAPPING OF FREE SPACE AND SCATTERED FIELDS IN MICROWAVE DIATHERMY 2212

BASSETT, C. A.
AUGMENTATION OF BONE REPAIR BY INDUCTIVELY COUPLED EM FIELDS 0644+

ELECTRICAL EFFECTS IN BONE 0645+

ACCELERATION OF FRACTURE REPAIR BY EM FIELDS. A SURGICALLY NONINVASIVE METHOD 1050+

A NON-OPERATIVE SALVAGE OF SURGICALLY-RESISTANT PSEUDARTHROSES AND NON-UNIONS BY PULSING EM FIELDS--A PRELIMINARY REPORT 2373+

CONTROL OF REPAIR PROCESSES BY EM FIELDS 2688+

BASSETT, H. L.
NEW TECHNIQUES FOR IMPLEMENTING MICROWAVE BIOLOGICAL- EXPOSURE SYSTEMS 0446+

A FREE-SPACE FOCUSED MICROWAVE SYSTEM TO DETERMINE THE COMPLEX PERMITTIVITY OF MATERIALS TO TEMPERATURES EXCEEDING 2000 DEGREE C. 3341+

BATEMAN, J. B.
MICROWAVES FOR BIOLOGISTS, MICROWAVES UPDATED 2834+

URSI PURSUED: MILLIMETER WAVE BIOPHYSICS 3396+

URSI AND BIO-RADIO SCIENCE: A HELSINKI SYMPOSIUM 3397+

BATHER, R.
INFRARED STUDIES OF ISOLATED NORMAL AND TUMOUR DNA. 3263

BATKIN, S.
EFFECTS OF ALTERNATING MAGNETIC FIELD (12 GAUSS) ON TRANSPLANTED NEUROBLASTOMA 1797+

BATTISTA, S.
MICROWAVE RADIATION (MR) HEATING OF SURFACE TUMORS 2322

BATTOCLETTI, J. H.
STEADY MAGNETIC FIELDS IN NON-INVASIVE ELECTROMAGNETIC FLOWMETRY. 0389

BAUGH, W. C.
DEVELOPMENT OF REGULATORY PROGRAMS UNDER THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 0472

BAUM, S. J.
BIOLOGICAL EFFECTS IN RODENTS EXPOSED TO PULSED EMR 0736

CONTINUOUS EXPOSURE OF RODENTS TO 10 TO THE 8TH POWER PULSES OF EMR 0826+

BIOLOGICAL MEASUREMENTS IN RODENTS EXPOSED CONTINUOUSLY THROUGHOUT THEIR ADULT LIFE TO PULSED EMR 1167+

BIOLOGICAL EFFECTS IN RODENTS EXPOSED TO 10 TO THE EIGHTH POWER PULSES OF EMR 2469

BAUS, R.
ANNUAL REPT., 1959: THE NEURAL EFFECTS OF MICROWAVE IRRADIATION 0610

NEURAL EFFECTS OF MICROWAVE RADIATION 1465

REVIEW OF THE WORK CONDUCTED AT TULANE U.--INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION 1577+

MICROWAVE RADIATION IN RELATION TO BIOLOGICAL SYSTEMS AND NEURAL ACTIVITY 3603

BAUS, R. J.
ANNUAL PROGRESS REPT.-1958, INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0543

BAVA, A.
EFFECT OF LESIONS OF SOME ZONES OF THE BRAIN ON MITOSIS OF THE EPITHELIUM OF THE SMALL INTESTINAL GLANDS IN THE RAT (IN FRENCH) 2854

MITOTIC ACTIVITY IN EPITHELIUM OF GLANDS OF THE SMALL INTESTINE OF THE RAT AFTER ELECTROTHERMOCOAGULATION OF THE TUBERO-INFUNDIBULAR REGION OF THE HYPOTHALAMUS AND SIMULTANEOUS RESECTION OF THE PINEAL GLAND (IN FRENCH) 2855

BAWIN, S.
EFFECTS OF 60 HZ ENVIRONMENTAL ELECTRIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYSTEM. 0211

BAWIN, S. M.
EFFECTS OF MODULATED VHF FIELDS ON SPECIFIC BRAIN RHYTHMS IN CATS 0447+

SENSITIVITY OF CALCIUM BINDING IN CEREBRAL TISSUE TO WEAK ENVIRONMENTAL ELECTRIC FIELDS OSCILLATING AT LOW FREQUENCY 0819+

EFFECTS OF MODULATED VHF FIELDS ON THE CENTRAL NERVOUS SYSTEM 1060+

BRAIN INTERACTIONS WITH WEAK ELECTRIC AND MAGNETIC FIELDS 1660

REINFORCEMENT OF TRANSIENT BRAIN RHYTHMS BY AMPLITUDE-MODULATED VHF FIELDS 1673+

EFFECTS OF WEAK ELF FIELDS ON EFFLUX OF CALCIUM AND AN AMINO ACID TRANSMITTER (GABA) FROM BRAIN TISSUE
1989

INTERACTIONS BETWEEN NERVOUS TISSUES AND WEAK ENVIRONMENTAL ELECTRIC FIELDS
2172+

EFFLUX OF CALCIUM AND AMINO ACIDS FROM CEREBRAL TISSUE WITH WEAK, LOW-FREQUENCY ELECTRIC FIELDS
2310

AMPLITUDE-MODULATED, VERY HIGH FREQUENCY ELECTRIC FIELDS
2419+

CALCIUM BINDING IN CEREBRAL TISSUE
2679+

EFFECTS OF WEAK LOW FREQUENCY FIELDS ON CALCIUM EFFLUX FROM CHICK AND CAT CEREBRAL TISSUE
2727+

BAWIN, W. M.

IONIC FACTORS IN RELEASE OF CALCIUM FROM CHICKEN CEREBRAL TISSUE BY ELECTROMAGNETIC FIELDS
3395+

BAYER, A.

INFLUENCE OF ALTERNATING ELECTRIC FIELDS OF TECHNICAL FREQUENCY ON CHICKEN EMBRYOS
2351

BAYKAL, Y.

HEAT POTENTIAL DISTRIBUTION IN AN INHOMOGENEOUS SPHERICAL MODEL OF A CRANIAL STRUCTURE EXPOSED TO MICROWAVES DUE TO LOOP OR DIPOLE ANTENN
0052

BAYUZICK, R. J.

THE EFFECT OF ELECTRICAL STIMULATION ON THE BIOPHYSICAL PROPERTIES OF FRACTURE HEALING
2241

BAZANOVA, E. B.

CERTAIN METHODOLOGICAL PROBLEMS AND RESULTS OF EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROORGANISMS AND ANIMALS
2300+

BAZILEVICH, O. I.

EFFECTS OF SHF FIELDS ON ENZYMATIC ACTIVITIES AND PYRIDOXINE LEVELS IN THE ORGANS OF WHITE RATS
1513

BEACONSFIELD, P.

CHANGES IN PERIPHERAL BLOOD FLOW PRODUCED BY SHORT-WAVE DIATHERMY
0620

BEAL, J. B.

ELECTROSTATIC FIELDS, EM FIELDS, AND IONS--MIND/BODY/ ENVIRONMENT INTERRELATIONSHIPS
1662+

WORKSHOP ON MAGNETIC-ELECTRIC FIELDS AND ENVIRONMENT
1680

BEAL, J. C.

A MICROWAVE RADIOMETRIC METHOD FOR THE STUDY OF THE SEMICONDUCTOR PROPERTIES OF LIVING TISSUE
2337

BEAMER, J. L.

E FECTS OF ELECTRIC FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY
0738

BEASE, S.

RF HAZARDS: WHAT WE DON'T KNOW CAN HURT ELEMENTS, METALLOPROTEINES AND SOME INDICATORS OF OXIDATION- REDUCTION PROCESSES IN THE ORGANISM
2348+

BEATRICE, E. S.

RETINA: ULTRASTRUCTURAL ALTERATIONS PRODUCED BY EXTREMELY LOW LEVELS OF COHERENT RADIATION
0947

BEATTY, R. W.

DISCUSSION OF ERRORS IN GAIN MEASUREMENTS OF STANDARD ELECTROMAGNETIC HORNS
3568+

MICROWAVE ATTENUATION MEASUREMENTS AND STANDARDS
3571+

BEAUMONT, C. B.

CONTROL OF REPAIR PROCESSES BY EM FIELDS
2688

BECHTOLD, G. W.

ELECTROMAGNETIC FIELD PROBES
3531+

ELECTROMAGNETIC FIELD PROBES
3532

BECK, E.

MICROWAVE APPARATUS FOR THE TREATMENT OF CANCER.
0374

BECK, G. S.

DISTRIBUTION OF EM ENERGY DEPOSITION IN MODELS OF MAN WITH FREQUENCIES NEAR RESONANCE
2188

BECKER, G.

EFFECT OF THE MAGNETIC FIELD ON THE DIRECTIONAL BEHAVIOR OF GOLDFISH
1227+

BECKER, J. F.

STUDY OF BIOLOGICAL MEMBRANES ORIENTED IN A HOMOGENEOUS MAGNETIC FIELD
1605+

BECKER, R. O.

HIGH VOLTAGE LINES: HAZARD AT A DISTANCE
0084

SPACE OSTEOPOROSIS: AN ELECTROMAGNETIC HYPOTHESIS
0175

EM FORCES AND LIFE PROCESSES
0595+

THE EFFECT OF CONTINUOUS EXPOSURE TO LOW FREQUENCY ELECTRIC FIELDS ON THREE GENERATIONS OF MICE: A PILOT STUDY
0674

EVALUATION OF ELECTROCHEMICAL INFORMATION TRANSFER SYSTEM, PART I: EFFECT OF ELECTRIC FIELDS ON LIVING ORGANISMS
0696

THE BASIC BIOLOGICAL DATA TRANSMISSION AND CONTROL SYSTEM INFLUENCED BY ELECTRICAL FORCES
1049+

ELECTRIC FIELD EFFECTS IN SELECTED BIOLOGIC SYSTEMS
1053

ELECTROSTATIC FIELDS AND SECONDARY GLAUCOMA IN RATS
1112

EFFECT OF CONTINUOUS EXPOSURE TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON RATS
1421

ELECTRICAL STIMULATION OF RNA AND PROTEIN SYNTHESIS IN THE FROG ERYTHROCYTE
1808

ELECTROSTATIC FIELD INDUCED CHANGES IN MOUSE SERUM PROTEINS
2050

EFFECT OF MAGNETIC FIELDS ON REACTION TIME PERFORMANCE
2107

CLINICAL EXPERIENCES WITH LOW INTENSITY DIRECT CURRENT STIMULATION OF BONE GROWTH
2779+

TESTIMONY
3133+

BEDELL, R. B.

RETINA: ULTRASTRUCTURAL ALTERATIONS PRODUCED BY EXTREMELY LOW LEVELS OF COHERENT RADIATION
0947

BEDRISUAN, P.

RADIATION SAFETY PROCEDURES FOR THE OFFICE OF RESEARCH AND MONITORING TWINEBROOK RESEARCH LABORATORY, ROCKVILLE, MARYLAND
2971+

BEEN, J. F.

METHOD AND APPARATUS FOR MEASURING EMR
1911+

BEERING, S. C.

HYPOGONADISM AFTER MICROWAVE RADIATION
0726

BEICHMANN, W. B.

ANNUAL REPT. OF MICROWAVE RADIATION RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA.
0725

BEISCHER, D. E.

MICROWAVE REFLECTION DIFFRACTION AND TRANSMISSION BY MAN
0824

MICROWAVE REFLECTION AND DIFFRACTION BY MAN
0884+

SEARCH FOR EFFECTS OF 45 HZ MAGNETIC FIELDS ON LIVER TRIGLYCERIDES IN MICE
0927+

THE NULL MAGNETIC FIELD AS REFERENCE FOR THE STUDY OF GEOMAGNETIC DIRECTIONAL EFFECTS IN ANIMALS AND MAN
1023+

MICROWAVE ENERGY DISTRIBUTION MEASUREMENTS IN PROXIMITY TO MAN AND THEIR PRACTICAL APPLICATION
1098+

MAGNETIC FIELDS AND MAN: WHERE DO WE STAND TODAY? 2098+

LIT. ABSTRACTS ON EXTREMELY LOW FREQUENCY (ELF) EM FIELDS 2298+

BIOLOGICAL SIGNIFICANCE OF ZERO MAGNETIC FIELD CONDITIONS AND PERTURBATIONS OF MICROWAVE FIELDS BY LIVING ORGANISMS 2431+

GROWTH OF STAPHYLOCOCCUS AUREUS IN A NULL MAGNETIC FIELD ENVIRONMENT 2495+

INFLUENCE OF STRONG MAGNETIC FIELDS ON THE ELECTROCARDIOGRAM OF SQUIRREL MONKEYS (SAIMIRI SCIUREUS) 2496+

EXPOSURE OF MAN TO MAGNETIC FIELDS ALTERNATING AT EXTREMELY LOW FREQUENCY 3102+

BEJAN, V.

INFLUENCE OF LOW FREQUENCY EM FIELDS ON THE TOXINE GENERATING POTENTIAL OF THE TETANIC BACILLUS 1998

BEKEY, I.

RAISING OUR SIGHTS FOR ADVANCED SPACE SYSTEMS 3146+

BELEKHOVA, M. G.

CHANGES IN ELECTRIC ACTIVITY OF DIENCEPHALIC AREA AND CORTEX OF RABBIT'S CEREBRAL HEMISPHERES UNDER THE EFFECT OF BITEMPORAL DIATHERMY 1996

BELKHODE, M. L.

THERMAL AND ATHERMAL EFFECTS OF 2.8 GHZ MICROWAVES ON THREE HUMAN SERUM ENZYMES 1815+

THERMAL AND ATHERMAL EFFECTS OF MICROWAVE RADIATION ON THE ACTIVITY OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN HUMAN BLOOD 1982+

BELL, E. L.

ELECTRICAL PARAMETER VALUES OF SOME HUMAN TISSUES IN THE RADIOFREQUENCY RADIATION RANGE. 0310

BELL, J. W.

COMPARISON OF RELATIVE HEATING PATTERNS PRODUCED IN TISSUES BY EXPOSURE TO MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AND 900 MEGACYCLES. 3329

BELL, R. T.

EFFECT OF DMSO ON THE DIELECTRIC PROPERTIES OF CANINE KIDNEY TISSUE 2847

BELL, W. H.

EFFECTS OF SUPER-HIGH-FREQUENCY RADIO CURRENT ON HEALTH OF MEN EXPOSED UNDER SERVICE CONDITIONS 0603+

BELLOSSI, A.

EFFECT OF HOMOGENEOUS MAGNETIC FIELD ON RED BLOOD CELLS: A CELL ELECTROPHORETIC STUDY 0117+

BELMONT, A.

CYTOFLUOROMETRY OF ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENTIATION (IN JAPAN) 0068

BELOKRINITSKY, V. S.

CHANGES OF THE ACTIVITY OF SUCCINATE DEHYDROGENASE IN CELLS OF VARIOUS BRAIN STRUCTURES UNDER THE EFFECT OF UHF FIELD OF LOW INTENSITY (IN RUSSIAN) 1399+

BELONOZHKO, N. G.

IMMUNOLOGICAL EFFECTS OF LOW MICROWAVE EXPOSURE 0435

BELOUSOVA, L. Y.

THE POSSIBILITY OF INHIBITING AND STOPPING BLOOD FLOW BY A MAGNETIC FIELD 0950+

BELOV, A. D.

ACTION OF IONIZING RADIATION ON LAYING HENS. 0266

BELOV, V. I.

REGIONAL LOCATION OF METEOROLOGICAL RADAR STATIONS 1439

BELOVA, S. F.

EVALUATION OF THE BIOLOGICAL EFFECT OF ULTRASHORT WAVES ON THE VISUAL ORGAN 1345+

INVESTIGATION OF THE BIOLOGICAL EFFECTS OF MICROWAVES ON THE OCULAR TUSSUES OF ANIMALS 1362+

BELOVOLOV, A. V.

INVESTIGATION OF THE EFFECT OF LOW-INTENSITY UHF EM WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUSSIAN) 1633

BELSHER, D. R.

DEVELOPMENT OF NEAR-FIELD ELECTRIC ENERGY DENSITY METER MODEL EDM-2 1011+

ENERGY DENSITY METER DEVELOPED FOR MICROWAVE HAZARDS 1725

SECOND PROGRESS REPORT EM HAZARDS PROJECT 2852

BEM, D. J.

THE INSOUCIANT SPARROWS OF CONSTANTINOV: A CASE STUDY OF EM ETHOLOGY 2168+

BENANE, S. G.

EFFECTS OF NONIONIZING EMR ON SINGLE-CELL BIOLOGIC SYSTEMS 1086

THE EFFECT OF MICROWAVE EXPOSURE ON BACTERIA MUTATION INDUCTION 2179

MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS, 1, ANALYSIS OF HEATING AND COOLING DATA 2729

BENDALL, J. R.

ELECTRICAL STIMUALTION OF RABBIT AND LAMB CARCASSES 1882+

BENDER, H. A.

A STUDY OF THE EFFECT OF ELF EM FIELDS UPON DROSOPHILA MELANOGASTER 1770+

BENDIX CORP. RES.LAB.

DEVELOPMENT OF LIQUID CRYSTAL MICROWAVE POWER DENSITY METER. 3358+

BENEDICK, M. H.

THE SANGUINE BIOLOGICAL-ECOLOGICAL RESEARCH PROGRAM 0129+

BLOOD BRAIN BARRIER WORKSHOP. 0217+

BENEDICT, W. L.

THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE. 3366

THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE OF THE RABBIT. 3367

BENTALL, R. H.

A TRIAL INVOLVING THE USE OF PULSED EM THERAPY ON CHILDREN UNDERGOING ORCHIDOPEXY 0856+

BENTLEY, H. W.

RADIATION EXPOSURE CONSIDERATIONS WHEN EMPLOYING MICROWAVE- EXCITED SPECTROSCOPIC SOURCES 2567

BENWELL, D. A.

CONTROL OF NON-IONIZING RADIATION EMITTING DEVICES IN CANADA 2058

BERENDSEN, H. J.

DIELECTRIC PROPERTIES OF HYDRATED COLLAGEN 0010

BEREZNITSKAYA, A. N.

EFFECT OF SHORT AND ULTRASHORT WAVES ON THE BREEDING CAPACITY OF MALE RATS 1360+

THE EFFECT OF LOW INTENSITY CENTIMETER WAVES ON THE FERTILITY OF FEMALE MICE 1361+

EMBRYOTROPIC EFFECTS OF MICROWAVES 2872+

STUDIES ON THE REPRODUCTION AND TESTICULAR MICROSTRUCTURE OF MICE EXPOSED TO MICROWAVES 2873+

BERGER, T. J.

EVALUATION OF ELECTROCHEMICAL INFORMATION TRANSFER SYSTEM, PART I: EFFECT OF ELECTRIC FIELDS ON LIVING ORGANISMS 0696

ELECTRIC FIELD EFFECTS IN SELECTED BIOLOGIC SYSTEMS 1053

ELECTROSTATIC FIELDS AND SECONDARY GLAUCOMA IN RATS 1112

EFFECT OF CONTINUOUS EXPOSURE TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON RATS 1421

ELECTROSTATIC FIELD INDUCED CHANGES IN MOUSE SERUM PROTEINS 2050

BERGMAN, S.

MAGNETIC DIRECTION FINDING: EVIDENCE FOR ITS USE IN MIGRATORY INDIGO BUNTINGS 2106

BERGMAN, W.

THE EFFECT OF MICRO WAVES ON THE CENTRAL NERVOUS SYSTEM 1994+

BERKLEY, C.

A NEW OCCUPATIONAL DISEASE?– OF DIPLOMATS 1651+

BERLUREAU, F.

STIMULATION, BY PHYSICAL MEANS, OF THE DEFENSES OF THE MOUSE AND RAT AGAINST EXPERIMENTAL TRYPANOSOMA 1773

ACTION OF A MAGNETIC FIELD COMBINED WITH EM WAVES ON THE EXPERIMENTAL TRYPANOSOMES OF THE RABBIT 1774

BERMAN, C. M.

BEHAVIORAL SUPPRESSION BY 383-MHZ RADIATION 1849

BERMAN, E.

OBSERVATIONS OF MOUSE FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES 0006+

OBSERVATIONS OF MOUSE FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES - LETTERS TO THE EDITORS 0410+

MUTAGENIC AND REPRODUCTIVE TESTS IN MALE RATS EXPOSED TO 425 OR 2450 MHZ (CW) MICROWAVES 3388+

BERNAL, E.

EFFECTS OF ENVIRONMENTAL TEMPERATURE AND AIR VOLUME EXCHANGE ON SURVIVAL OF RATS EXPOSED TO MICROWAVE RADIATION OF 24,000 MEGACYCLES 0469

RELATION OF INTERRUPTED PULSED MICROWAVES TO BIOLOGICAL HAZARDS 0470

ANNUAL REPT. OF MICROWAVE RADIATION RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA. 0725

BERNARD, D. L.

MAGNETIC ENHANCEMENT OF ELECTRON DOSE DISTRIBUTION IN A PHANTOM 2537

BERNARDI, P.

EFFECTS OF THE SURROUNDINGS ON EM-POWER ABSORPTION IN LAYERED-TISSUE MEDIA 1233+

POLLUTION CAUSED BY HIGH FREQUENCY EM FIELDS (IN ITALIAN) 2396+

ANALYSIS OF MODELS FOR THE STUDY OF INTERACTION BETWEEN EM FIELDS AND BIOLOGICAL TISSUES TO EVALUATE THE RISKS OF EXPOSURE (IN ITALIAN) 2635+

BERNHARDT, J.

BIOLOGIC EFFECTS OF ELECTROMAGNETIC FIELDS (IN GERMAN) 0320+

DIELECTRIC MEASUREMENTS OF NITELLOPSIS OBTUSA CELLS WITH INTRACELLULAR ELECTRODES 0870+

BERNING, A. K.

X-LINKED B-LYMPHOCYTE IMMUNE DEFECT IN CBA/N MICE, PART II: STUDIES OF THE MECHANISMS UNDERLYING THE IMMUNE DEFECT 0946

BERRY, C. L.

NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE 2889+

BERRYER, P.

EFFECTS IN RODENTS OF A 1-MONTH EXPOSURE TO MAGNETIC FIELDS (200-1200 GAUSS) 1109

BERTEAUD, A.

EXPERIMENT ON THE CORRELATION BETWEEN THE COURSE OF ACTION OF TRYPANOSOMA EQUIPERDUM, AND THE ACTION OF PULSED AND MODULATED EM WAVES (IN FRENCH) 0959+

MICROWAVES ACTION IN PROCARYOTIC AND EUCARYOTIC CELLS AND A POSSIBLE INTERACTION WITH X-RAYS 1137

EFFECTS OF EMR OF MILLIMETRIC WAVELENGTH ON BACTERIAL GROWTH 1650+

COMPLEX FREQUENCY PERTURBATION OF A MICROWAVE CAVITY CONTAINING A LOSSY LIQUID 1802+

BIOLOGICAL EFFECTS BY MICROWAVES 2377+

BERTEAUD, A. J.

DETERMINATION OF A THERMAL EQUIVALENT OF MILLIMETER MICROWAVES IN LIVING CELLS. 0413

BERTHARION, G.

INFLUENCE OF EMR OF VHF ON THE SENSITIVITY TO THE TRIIODOETHYL SALT OF GALLIUM AND TO THE HEXAMETHYL IDONIUM SALT ON THE WHITE RAT (IN FRENCH) 0861

INFLUENCE OF HIGH FREQUENCY EMR ON THE SENSITIVITY TO PENTETRAZOL OF THE WHITE MOUSE (IN FRENCH) 0862

COMPARATIVE STUDY OF THE ACTION OF THREE TYPES OF MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT 1139

PHARMACOLOGIC EFFECTS OF A PULSED MICROWAVE FIELD 1274

EXPERIMENTAL STUDY OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION ON THE WHITE RAT AND MOUSE 1891

ELECTRO-CORTICO-GRAPHIC MODIFICATIONS AFTER EXPOSURE TO MICROWAVE FIELDS, ON THE WHITE RAT 1949+

STUDY OF THE MICROWAVE-INDUCED PERTURBATIONS OF THE BEHAVIOUR BY THE OPEN-FIELD TEST INTO THE WHITE RAT 2159

STUDY OF THE ACTION OF EMR OF VERY HIGH FREQUENCY (RADAR) ON THE CENTRAL NERVOUS SYSTEM OF THE WHITE RAT. ELECTROCORTICOGRAPHICAL MODIFICATIONS (IN FRENCH) 2628+

STUDY OF THE BIOLOGICAL EFFECTS OF HYPERFREQUENCY RADIATION OF LOW POWER DENSITIES (IN FRENCH) 2631

BEUCHAT, L. R.

PROCEDURE FOR EVALUATING THE EFFECTS OF 2,450-MEGAHERTZ MICROWAVES UPON STREPTOCOCCUS FAECALIS AND SACCHAROMYCES CEREVISIAE 1920

BEVERIDGE, W. I.

NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE 2889

BEZUGLOV, V. K.

THE EFFECT OF A DISCHARGE OF A HIGH-VOLTAGE CONDENSER ON THE OPTIC PROPERTIES OF THE FROG CARDIAC MUSCLE (IN RUSSIAN) 1398

BICHLER, K. H.

HIGH-FREQUENCY HYPERTHERMIA IN CARCINOMA OF THE URINARY BLADDER: EXPERIMENTAL AND CLINICAL RESULT. (IN GERMAN) 0216+

BICKMORE, R. W.

ON FOCUSING ELECTROMAGNETIC RADIATORS. 3295+

BIDDLE, D. K.

OPACITIES IN THE LENS OF THE EYE EXPERIMENTALLY INDUCED BY EXPOSURE TO MICROWAVE RADIATION 0455

REPT. OF WORK IN PROGRESS AT TUFTS U. 1466

BIOLOGICAL EFFECTS OF MICROWAVE RADIATION, WITH PARTICULAR REFERENCE TO THE EYE 2869

BIDINGER, J. M.

THE ELECTRICAL RESISTIVITY OF AQUEOUS CYTOPLASM 2540

BIELEC, M.

INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTERFERON 0053

USE OF THERMOGRAPHY FOR QUANTITATION OF ENERGY ABSORPTION IN ANIMALS IRRADIATED WITH MICROWAVES 1145+

EFFECT OF MICROWAVES COMBINED WITH INTERFERON AND/OR IN-

TERFERON INDUCERS (POLY I-POLY C) ON DEVELOPMENT OF SARCOMA 180 IN MICE
1160

BIELSKI, J.
NERVOUS SYSTEM CHANGES IN WORKERS OF RADIOTELEVISION STATIONS EXPOSED TO MICROWAVES (IN POLISH)
1621+

BIGU DEL BLANCO, J.
THE DESIGN OF A MONOPOLE RADIATOR TO INVESTIGATE THE EFFECT OF MICROWAVE RADIATION IN BIOLOGICAL SYSTEMS
1175+

INTERACTION OF EM FIELDS AND LIVING SYSTEMS
1254

MICROWAVE RADIOMETRY AND ITS POTENTIAL APPLICATIONS IN BIOLOGY AND MEDICINE: EXPERIMENTAL STUDIES
1614+

MICROWAVE RADIOMETRIC TECHNIQUES: A MEANS TO EXPLORE THE POSSIBLILITY OF COMMUNICATION IN BIOLOGICAL SYSTEMS
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SOME THEORY AND PRELIMINARY EXPERIMENTS ON MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS
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THE PROPERTIES OF BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION AT KU-BAND FREQUENCIES
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BIRD FEATHERS AS DIELECTRIC RECEPTORS OF RF FIELDS
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THE PROPERTIES OF BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION II. BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION
2218+

COLOUR THERMOGRAPHY AND MICROWAVE RADIOMETRY: THEIR APPLICATION TO BIOLOGICAL SYSTEMS UNDER MICROWAVE RADIATION EXPOSURE
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A MICROWAVE RADIOMETRIC METHOD FOR THE STUDY OF THE SEMICONDUCTOR PROPERTIES OF LIVING TISSUE
2337+

THE PROPERTIES OF BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION I. BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS
2458+

EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON GERMINATION AND GROWTH RATE IN CORN SEEDS
2692+

THE PROPERTIES OF BIRD FEATHERS AS PIEZOELECTRIC TRANSDUCERS AND MICROWAVE RECEPTORS
2816+

SOME SPECIAL APPLICATIONS OF MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS
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RADIOFREQUENCY FIELDS: A NEW ECOLOGICAL FACTOR
3060+

BILOKRYNYTS'KYY, V. S.
CHANGES IN THE TIGROID SUBSTANCE OF NEURONS UNDER THE EFFECT OF RADIO WAVES
1995+

BINDONI, M.
EFFECT OF LESIONS OF SOME ZONES OF THE BRAIN ON MITOSIS OF THE EPITHELIUM OF THE SMALL INTESTINAL GLANDS IN THE RAT (IN FRENCH)
2854+

MITOTIC ACTIVITY IN EPITHELIUM OF GLANDS OF THE SMALL INTESTINE OF THE RAT AFTER ELECTROTHERMOCOAGULATION OF THE TUBERO-INFUNDIBULAR REGION OF THE HYPOTHALAMUS AND SIMULTANEOUS RESECTION OF THE PINEAL GLAND (IN FRENCH)
2855+

BIRCHFIELD, J. L.
ELECTROMAGNETIC FIELD PROBES
3531

ELECTROMAGNETIC FIELD PROBES
3532

BIRENBAUM, L.
EFFECT OF MICROWAVES ON THE EYE
0449+

EFFECT OF MICROWAVES ON THE RABBIT EYE
0675+

ABSENCE OF HEART-RATE EFFECTS IN RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATION
0695

MICROWAVE AND INFRA-RED EFFECTS ON HEART RATE, RESPIRATION RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT
0921+

CATARACT AFTER EXPOSURE TO NON-IONIZING RADIANT ENERGY
2042

EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE
2155

OCULAR EFFECTS OF 35 AND 107 GHZ CW MICROWAVES
2440+

BIRNBAUM, G.
MEASUREMENT OF THE DIELECTRIC CONSTANT AND LOSS OF SOLIDS AND LIQUIDS BY A CAVITY PERTURBATION METHOD
0988+

BISE, W.
LOW POWER RADIO-FREQUENCY AND MICROWAVE EFFECTS ON HUMAN ELECTROENCEPHALOGRAM AND BEHAVIOR
0132+

BISHOP, R. R.
ABSENCE OF OCULAR PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES
0174

BITTNER, I. G.
HAZARDS TO PERSONS FROM ALTERNATING EM FIELDS IN THE FREQUENCY RANGE OF 3 KHZ TO 3000 GHZ (IN GERMAN)
2621+

BLACK, J. A.
MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS, 2, ANALYSIS BY DEWAR-FLASK CALORIMETRY
2730

BLACKMAN, C. F.
EFFECTS OF 8.6 GHZ PULSED EMR ON AN ESCHERICHIA COLI REPAIR-DEFICIENT MUTANT
0227

LACK OF MICROBIAL GENETIC RESPONSE TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ PULSED MICROWAVES
0366

EFFECTS OF NONIONIZING EMR ON SINGLE-CELL BIOLOGIC SYSTEMS
1086+

THE EFFECT OF MICROWAVE EXPOSURE ON BACTERIA MUTATION INDUCTION
2179+

MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS, 1, ANALYSIS OF HEATING AND COOLING DATA
2729

MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS, 2, ANALYSIS BY DEWAR-FLASK CALORIMETRY
2730+

BLACKSMITH, P.
ON MEASURING THE RADAR CROSS SECTIONS OF DUCKS AND CHICKENS
3508+

BLACKWELL, R. P.
STANDARDS FOR MICROWAVE RADIATION
0365+

BLAGOVIDOVA, L. A.
CHANGES IN ELECTRIC ACTIVITY OF DIENCEPHALIC AREA AND CORTEX OF RABBIT'S CEREBRAL HEMISPHERES UNDER THE EFFECT OF BITEMPORAL DIATHERMY
1996+

BLAIR, R. D.
DORSAL COLUMN STIMULATION
1385+

BLAKEMORE, R.
MAGNETOTACTIC BACTERIA
1332+

BLANCHARD, H.
SURVIVAL OF CANINE KIDNEYS AFTER TREATMENT WITH DIMETHYLSULFOXIDE, FREEZING AT -80 DEGREES CELSIUS, AND THAWING BY MICROWAVE ILLUMINATION
2698

BLANCHI, D.
EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS ON THE PROPORTION OF THE DIFFERENT LEUCOCYTE TYPES
3128+

EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTIVITY
3129+

BLANCO, J. B. D.
MICROWAVE RADIATION-PATTERN MEASUREMENTS IN THE PRESENCE OF BIOLOGICAL SPECIMENS
0442+

BLANCO, J. F.
SURVIVAL OF CLOSTRIDIUM PERFRINGENS ON CHICKEN COOKED WITH MICROWAVE ENERGY
2497+

BLANK, M.
MAGNETIC FIELDS AND NERVE FUNCTION
0842+

BLANKENSHIP, R. E.
MAGNETIC FIELD EFFECTS ON RADICAL PAIR INTERMEDIATES IN BACTERIAL PHOTOSYNTHESIS
2583+

BLASCO, A. P.
EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRADIATION FACILITY
1788

EFFECTS OF 45 HZ ELECTRIC FIELD EXPOSURE ON RATS
2183

BLASHY, M. R.
ADVANCES IN SHORTWAVE THERAPY
0966+

BLEEHEN, N. M.
EXPERIMENTAL AND CLINICAL ASPECTS OF HYPERTHERMIA APPLIED TO THE TREATMENT OF CANCER WITH SPECIAL REFERENCE TO THE ROLE OF ULTRASONIC AND MICROWAVE HEATING
1225

BLEIBERG, J.
CUTANEOUS MICROWAVE INJURY
1811

BLIOT, F.
MICROWAVE RADIOMETRY: ITS POSSIBLE BIOMEDICAL APPLICATION
0332

A MODIFIED RADIOMETER FOR TEMPERATURE AND MICROWAVE PROPERTIES MEASUREMENTS OF BIOLOGICAL SUBSTANCES
2410

BLISS, V. L.
CIRCADIAN ACTIVITY RHYTHM INFLUENCED BY NEAR ZERO MAGNETIC FIELD
0688+

EFFECTS OF A FIELD FREE SPACE ON THE CIRCADIAN ACTIVITY RHYTHM OF THE HOUSE SPARROW, PASSER DOMESTICUS
2163+

BLOCK, J. B.
MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA
1963

MICROWAVE RADIATION (MR) HEATING OF SURFACE TUMORS
2322+

BLOMQUIST, A. W.
MICROWAVE APPLICATIONS
2562

BLOMQVIST, K.
SIMULTANEOUS APPLICATION OF PULSED HIGH FREQUENCY CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA CELLS
1281

BLUMEL, G.
EXPERIMENTAL STUDIES ON THE USE OF MICROWAVE FOR THE LOCALIZED HEAT TREATMENT OF THE PROSTRATE
0268

INFLUENCE OF MICROWAVE IRRADIATION ON CULTURED GLIOMA CELLS I. AN ENZYMATIC AND SCANNING ELECTRON MICROSCOPY STUDY
0293

BLUMLEIN, H.
EFFECT OF THE MAGNETIC FIELD COMPONENT OF THE KRAUSLECHNER METHOD ON THE HEALING OF EXPERIMENTAL NONUNIONS IN DOGS
0131+

BO, P.
UNILATERAL ELECTRIC SHOCK. ACUTE AND CHRONIC EXPERIMENTAL EEG'S ON RABBIT (IN ITALIAN)
1892

BOAN, R. T.
SOME EFFECTS OF LOW LEVEL MAGNETIC FIELDS ON GROWTH, DEVELOPMENT, AND BIOCHEMISTRY OF THE CHICK EMBRYO, GALLUS DOMESTICUS
0099+

BOCCALON, H.
EFFECTS IN RODENTS OF A 1-MONTH EXPOSURE TO MAGNETIC FIELDS (200-1200 GAUSS)
1109

BOCHAROV, Y. F.
THE EFFECT OF A CONSTANT MAGNETIC FIELD ON E COLI ENZYME ACTIVITY
2483

BOCKSTHALER, L. E.
A REVIEW OF PHOTODYNAMIC THERAPY FOR HERPES SIMPLEX: BENEFITS AND POTENTIAL RISKS
3130+

BOCZYNSKI, E.
MORPHOLOGICAL CHANGES IN THE CELLS OF CORTI'S ORGAN FOLLOWING EXPOSURE TO MICROWAVES (IN POLISH)
0990

CHANGES IN ACTIVITY OF CERTAIN ENZYMES IN THE CELLS OF CORTI'S ORGAN IN GUINEA PIGS FOLLOWING LONG-TERM EXPOSURE TO MICROWAVES (IN POLISH)
1901+

BOETHIUS, J.
PERCUTANEOUS CENTRAL GRAY STIMULATION FOR CANCER PAIN
3421

BOGACH, P. G.
CHANGES IN THE MEMBRANE POTENTIAL OF NERVE CELLS OF ISOLATED GANGLIA IN THE MOLLUSK / PLANORBIS CORNEUS/ UNDER THE INFLUENCE OF A UHF EM FIELD
1500

BOGARDUS, R.
THERMOGENETIC AND CARDIODYNAMIC REGULATION IN DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES
0655

BOGGS, R. F.
EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON HUMAN BLOOD COAGULATION PROCESSES
0676+

DETERMINATION OF THE EFFECTS OF EM ENERGIES ON THE HEMATOLOGIC SYSTEM
2614+

BOGININ, L. F.
COMPLEX REACTION OF LYMPHOID TISSUE TO INTERMITTENT MAGNETIC FIELDS
1997+

ELEMENTS OF SIMILARITY IN THE REACTION OF THE LYMPHOID TISSUE TO ANTIGENIC AND NONANTIGENIC (ALTERNATING MAGNETIC FIELD) STIMULATION
2039

BOGOLYUBOV, V. M.
THERAPEUTIC USE OF CONSTANT AND LOW FREQUENCY MAGNETIC FIELDS (LITERATURE REVIEW)
0218+

SURVEY OF EFFECTS OF CONTINUOUS AND ALTERNATING LOW-FREQUENCY MAGNETIC FIELDS
0376+

BOGOSLOVSKY, V. A.
IMMEDIATE EFFECT OF ELECTRIC CARDIOVERSION ON THE INDICES OF HEMODYNAMICS AND MYOCARDIUM CONTRACTILITY IN PATIENTS WITH AURICULAR FIBRILLATION (IN RUSSIAN)
1396+

BOGUCKA, A.
MICROWAVE RADIATION (IN POLISH)
1622+

BIOLOGICAL EFFECTS OF MICROWAVE RADIATION (IN POLISH)
2354+

BOGUCKI, J.
MICROWAVE RADIATION (IN POLISH)
1622

BOHATINA, N. I.
SENSITIVITY THRESHOLDS OF WHEAT STEMS AND ROOTS TO MAGNETIC FIELDS
0377+

BOHILLS, S. T.
ATTEMPTS TO INFLUENCE THE FEEDING BEHAVIOUR OF BROWN RATS USING ELECTROMAGNETISM
0348+

BOIKO, A. N.
A MICRORADIOMETER FOR STUDYING HIGH-INTENSITY RADIATION FIELD STRUCTURES
1708+

BOITEAU, H.
THE BIOLOGICAL EFFECTS OF RADAR WAVES
0816+

BOLLINGER, J. N.
RESEARCH ON BIOLOGICAL EFFECTS OF VLF BAND EMR
0955+

DETECTION AND EVALUATION OF RADIOFREQUENCY EM RADIATION-INDUCED BIOLOGICAL DAMAGE IN MACACA MULATTA
2397+

BOLLINGER, R. O.
MICROWAVE EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO
0352

BOND, V. P.
POSSIBLE EFFECTS OF EMR'S
0602+

BONINCONTRO, A.
MICROWAVE DIELECTRIC LOSS OF BACILLUS SUBTILIS SPORES IN AQUEOUS SUSPENSIONS 0960

BONNEY, C. H.
EVALUATION OF EFFECTS OF THE MICROWAVE OVEN (915 AND 2450 MHZ) AND RADAR (2810 AND 3050 MHZ) EMR ON NONCOMPETITIVE CARDIAC PACEMAKERS 0450+

BOOKMAN, M. A.
SENSITIVITY OF THE HOMING PIGEON TO AN EARTH-STRENGTH MAGNETIC FIELD 2371+

BOONE, M. L.
HEAT IN TUMOR THERAPY 0648

PROSPECTS FOR HYPERTHERMIA IN HUMAN CANCER THERAPY. PART I: HYPERTHERMIC EFFECTS IN MAN AND SPONTANEOUS ANIMAL TUMORS 2063

BOONE, M. L. M.
THERMAL DOSIMETRY: SOME BIOPHYSICAL CONSIDERATIONS 0321

BOOTH, A. D.
ABSORPTION OF MICROWAVES BY MICROORGANISMS 0658

MICROWAVE ABSORPTION BY NORMAL AND TUMOR CELLS 1971

BOOTH, L. F.
MICROWAVE HAZARDS ASSOCIATED WITH SMALL DISCHARGE CAVITIES 1711+

BOOTH, R. E.
TREATMENT OF NONUNION WITH CONSTANT DIRECT CURRENT 2783

BOOTZ, A.
INFLUENCE OF ALTERNATING ELECTRIC FIELDS OF TECHNICAL FREQUENCY ON CHICKEN EMBRYOS 2351

BORDAYKEVICH, D. T.
EFFECT OF MAGNETIC FIELD ON THE ELECTRICAL CONDUCTIVITY OF CHICKEN EGG PROTEINS AND YOLK DURING EARLY STAGES OF INCUBATION 0219+

BORG, A. M.
RATE EFFECTS IN ISOLATED HEARTS INDUCED BY MICROWAVE IRRADIATION 0526

BORISENKO, K. K.
IMPROVING THE THERAPEUTIC EFFECT OF INDUCTOTHERAPY OF THE LUMBAR REGION IN DERMATOLOGY (IN RUSSIAN) 2716

BORNSTEIN, L. A.
ACCELERATION OF TRANSFER OF TUBE PEDICLES AND FLAPS 1826+

BORODAYKEVICH, D. T.
EFFECT OF A PULSED MAGNETIC FIELD ON CHICK EMBRYOS IN THE 48TH HOUR OF INCUBATION, AND ON HATCHING RATE 1559

BORODKINA, A. G.
DEVELOPMENT OF RETICULOCYTOSIS IN THE PERIPHERAL BLOOD DURING AN EXPOSURE TO A CONSTANT MAGNETIC FIELD (IN RUSSIAN) 1628+

BOROVKOV, V. A.
MAXIMUM FLUX DENSITY OF THE POWER FROM A BROADCAST SATELLITE IN THE 620-790 MHZ FREQUENCY BAND 2323+

BOROZNITSKAYA, A. N.
SOME INDICES OF FERTILITY OF FEMALE MICE IRRADIATED WITH 10-CENTIMETER WAVES 2874+

BORTH, D.
THE GENERATION OF ACOUSTIC SIGNALS IN MATERIALS IRRADIATED WITH MICROWAVE PULSES--A THEORETICAL ANALYSIS 2441+

BORZANI, W.
MICROWAVE DRYING OF MICROORGANISMS: I. INFLUENCE OF THE MICROWAVE ENERGY AND OF THE SAMPLE THICKNESS ON THE DRYING OF YEAST 1384

BOSISIO, R. G.
A NON CONTACT TEMPERATURE MONITOR FOR THE AUTOMATIC CONTROL OF MICROWAVE OVENS 0038+

MICROWAVE INSTRUMENTATION BASED ON FREQUENCY PERTURBATION TECHNIQUES 2936+

BOSTROM, R. G.
MEASUREMENTS OF THE RADIATION EMISSIONS FROM THE NUVELITE DENTAL APPLIANCE 3624

BOTSCO, R. J.
NONDESTRUCTIVE TESTING OF PLASTICS WITH MICROWAVES 3289+

BOTSTEIN
MICROWAVE-INDUCED HYPERTHERMIA IN CANCER TREATMENT: APPARATUS AND PRELIMINARY RESULTS 3418

BOTSTEIN, C.
THERAPEUTIC POTENTIAL OF CONFORMAL APPLICATORS FOR INDUCTION OF HYPERTHERMIA 0258

INDUCTION OF HYPERTHERMIA IN DEEP-SEATED TUMORS BY A SPECIAL MICROWAVE APPLICATOR 0335

MICROWAVE APPARATUS FOR THE TREATMENT OF CANCER 0374

EFFECTS OF MICROWAVE-INDUCED LOCAL HYPERTHERMIA ON MAMMARY ADENOCARCINOMA IN C3H MICE 1238

BOTTICELLI, J. T.
SYNCOPAL ATTACKS ARISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN THE VICINITY OF A TELEVISION TRANSMITTER 2004

BOTTREAU, A.
EXPERIMENT ON THE CORRELATION BETWEEN THE COURSE OF ACTION OF TRYPANOSOMA EQUIPERDUM, AND THE ACTION OF PULSED AND MODULATED EM WAVES (IN FRENCH) 0959

BOTTREAU, A. M.
DIELECTRIC RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS 0041

MICROWAVE DIELECTRIC RELAXATION OF AQUEOUS SOLUTIONS OF DEXTRAN 3403

BOUCHAT, J. A.
LETTER OF COMMENT ON M. M. ZARET'S 'CATARACTS FOLLOWING USE OF MICROWAVE OVEN' 2657+

BOURGEOIS, A. E.
EFFECTS OF MICROWAVE EXPOSURE ON BEHAVIOR AND RELATED PHENOMENA 0733

AUDITORY THRESHOLD OF HUMANS 2324+

BOURGSDORF, V. V.
DEVELOPMENT OF EHV AND UHV SYSTEMS IN THE USSR 3582

BOURNE, H. G.
EVALUATION AND CONTROL OF EXPOSURES IN REPAIRING MICROWAVE OVENS 0714

BOURRET, L. A.
EPIPHYSEAL CARTILAGE CYCLIC AMP CHANGES PRODUCED BY ELECTRICAL AND MECHANICAL PERTURBATIONS 2777

BOUTWELL, R. K.
MICROWAVE IRRADIATION: A NEW RAPID TECHNIQUE FOR SEPARATING EPIDERMAL TISSUE FROM MOUSE SKIN PRESERVING RNA, DNA, PROTEIN, AND PHORBOL ESTER-INDUCED ORNITHINE DECARBOXYLASE LEVELS 2825

BOWERS, E. D.
CANCER THERAPY WITH LOCALIZED HYPERTHERMIA USING AN INVASIVE MICROWAVE SYSTEM 0226

AN INVASIVE MICROWAVE ANTENNA FOR LOCALLY-INDUCED HYPERTHERMIA FOR CANCER THERAPY 0438

BOWERS, R.
TECHNOLOGY ASSESSMENT AND MICROWAVE DIODES 2961+

WHAT,S AHEAD FOR MICROWAVES 2968

BOWIE, D. M.
RAPID MEASUREMENT OF DIELECTRIC CONSTANT AND LOSS TANGENT 3446+

BOWLING, D. I.
THE FREQUENCY DEPENDENCE OF THE KERR EFFECT FOR SUSPENSIONS OF RIGID PARTICLES 1732

BOWMAN, R. R.
QUANTIFYING HAZARDOUS MICROWAVE FIELDS
0118+
QUANTIFYING HAZARDOUS EM FIELDS: SCIENTIFIC BASIS AND PRACTICAL CONSIDERATIONS
0501
SOME RECENT DEVELOPMENTS ON THE CHARACTERIZATION AND MEASUREMENT OF HAZARDOUS EM FIELDS
0879+
NONMETALLIC ELECTRODE SYSTEM FOR RECORDING EEG AND ECG IN ELECTROMAGNETIC FIELDS
1163
QUANTIFYING HAZARDOUS MICROWAVE FIELDS: PRACTICAL CONSIDERATIONS
1546+
PANEL DISCUSSION I: MICROWAVE MEASUREMENTS METHODS AND STANDARDS FOR BIOLOGICAL RESEARCH AND HAZARDS SURVEYS
1550
A PROBE FOR MEASURING TEMPERATURE IN RADIO-FREQUENCY-HEATED MATERIAL
1649+
ENERGY DENSITY METER DEVELOPED FOR MICROWAVE HAZARDS
1725+
DESCRIPTION AND CALIBRATION OF PROBES USED FOR EXPLORATORY FAA FIELD INTENSTIY SURVEYS
1952+
EXPLORATORY FIELD INTENSITY SURVEYS NEAR FAA TRANSMITTING ANTENNAS
1953
SECOND PROGRESS REPORT EM HAZARDS PROJECT
2852+
MICROWAVE BIOEFFECTS AND RADIATION SAFETY., M.A. STUCHLY, EDITOR.
2920
ABSOLUTE GAIN MEASUREMENTS FOR HORN ANTENNAS.
3291+
TRANSMITTING AND RECEIVING FORMULAS FOR ANTENNAS AND FIELD INTENSITY METERS.
3292+
NEAR-ZONE CALIBRATIONS FOR MICROWAVE ANTENNAS + FIELD STRENGTH AND POWER DENSITY METERS.
3298+

BOYLE, D.
THE EFFECT OF POST-RADIATION HYPERTHERMIA ON HUMAN SKIN AND TUMOR RESPONSE
2341

BOYSEN, J. E.
HYPERTHERMIC AND PATHOLOGIC EFFECTS OF EMR (350 MC)
1855+

BRACKEN, T. D.
ELECTRICAL & BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW
0083
PROCEEDINGS OF THE WORKSHOP ON ELECTRICAL AND BIOLOGICAL EFFECTS RELATED TO HVDC TRANSMISSION.
0300+
FIELD MEASUREMENTS AND CALCULATIONS OF ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES
1006+
FIELD MEASUREMENTS AND CALCULATIONS OF ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES
3617+

BRADLEY, F. J.
RF RESPONSE OF RADIATION SURVEY INSTRUMENTS
1286+

BRADLEY, J. W.
EFFECTS OF EM FIELDS ON FECUNDITY IN THE CHICKEN
1089
EFFECTS OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF ANIMALS
2277
INFLUENCE OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHICKENS
2289
EFFECT OF VARIOUS EM FIELDS ON THE REPRODUCTIVE PERFORMANCE OF CHICKENS
2687

BRADSHAW, M. D.
A PROCEDURE FOR CALCULATING THE THREE DIMENSIONAL ELECTRIC FIELD NEAR A MULTI-CONDUCTOR TRANSMISSION LINE, INCLUDING THE EFFECTS OF VERTICAL GROUND WIRES
3103+

BRAGG, D. G.
MEDICAL DIAGNOSTIC APPLICATIONS OF MICROWAVE RADIATION
1191
AN INVESTIGATION OF THE USE OF MICROWAVE RADIATION FOR PULMONARY DIAGNOSTICS
1241
DIAGNOSTIC APPLICATION OF MICROWAVE RADIATION IN PULMONARY MEDICINE
2202
MONITORING AND DIAGNOSIS OF PULMONARY EDEMA BY MICROWAVES: A PRELIMINARY REPORT
2463+

BRAINARD, G.
THE EFFECTS OF LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES
0220+

BRANIN, F. H.
THE DETERMINATION OF COMPLEX DIELECTRIC CONSTANTS OF ABSORPTIVE LIQUIDS BY MICROWAVE INTERFEROMETRY.
3332+
MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS IX. MEASUREMENT IN ORGANIC HALIDES AT 10-CM WAVELENGTHS.
3344+

BRANNEN, J. P.
AN APPROACH TO BIOLOGICAL RESPONSE TO MICROWAVES: A PRELIMINARY THERMAL VERSUS NON-THERMAL EXPERIMENT
0694
ON THE INTERDEPENDENCE OF THERMAL AND EM EFFECTS IN THE RESPONSE OF BACILLUS SUBTILIS SPORES TO MICROWAVE EXPOSURE
2407

BRAUN, A. F.
AN OPERATIONAL SAFETY PROGRAM FOR OPHTHALMIC HAZARDS OF MICROWAVE
0522

BRAUS, R.
THE EFFECT OF 2450 MHZ MICROWAVE IRRADIATION ON THE GROWTH OF MICE
0808

BRAUZER, B.
ANNUAL REPT. OF MICROWAVE RADIATION RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA.
0725

BRAVO, G.
CHRONIC PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS
3414

BREEDEN, J. A.
THERMAL CONDUCTIVITY MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL FLUIDS AND TISSUES
3542

BREEDEN, K. H.
NOVEL TECHNIQUE FOR DETERMINING THE RELATIVE PERMITTIVITY OF SOLIDS AT MILLIMETRE WAVELENGTHS
3539+

BREEDING, J. H.
EFFECT OF MICROWAVE OR WATER-BATH HYPERTHERMIA ON TUMOR GROWTH
2768

BREHL, R. J.
SEARCH FOR EFFECTS OF 45 HZ MAGNETIC FIELDS ON LIVER TRIGLYCERIDES IN MICE
0927

BRENNER, D.
VISUALLY EVOKED MAGNETIC FIELDS OF THE HUMAN BRAIN
2099+

BRENT, R. J.
THE UTILIZATION OF MICROWAVE RADIATION IN DEVELOPMENTAL BIOLOGY RESEARCH
2877+

BRENT, R. L.
THE INCREASED EFFECTIVENESS OF CANCER CHEMOTHERAPEUTIC AGENTS WHEN COMBINED WITH SIMULTANEOUS MICROWAVE IRRADIATION
2325+
STUDIES CONCERNING THE POSTNATAL EFFECTS OF PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATION
2864
STUDIES CONCERNING THE EFFECTS OF PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN THE PREGNANT RAT
2865
THE INTERRUPTION OF PREGNANCY USING MICROWAVE RADIATION
2876+
TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION.
2881

BRETON, J.
ORIENTATION AND LINEAR DICHROISM OF CHLOROPLASTS AND SUBCHLOROPLAST FRAGMENTS ORIENTED IN AN ELECTRIC FIELD 2704

BREVET, A.
MYOSIN SYNTHESIS INCREASED BY ELECTRICAL STIMULATION OF SKELETAL MUSCLE CELL CULTURES 1017+

BREYSSE, P. A.
MICROWAVE USES ON CAMPUS: A STUDY OF ENVIRONMENTAL HAZARDS 0677+

BRIDGES, J. E.
SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS 1754+
COUPLING AND CORONA EFFECTS RESEARCH PLAN FOR TRANSMISSION LINES 1890+
EFFECT OF EM INTERFERENCE ON CARDIAC PACEMAKERS 1999
BIOLOGICAL EFFECTS OF HIGH VOLTAGE ELECTRIC FIELDS: BIBLIOGRAPHY AND SURVEY OF ONGOING WORK, 1975 2252+
SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO 60 HZ MAGNETIC FIELDS 2271
HAZARDOUS EM INTERACTION WITH MEDICAL ELECTRONICS 2287+
BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF ELECTRIC FIELDS 3157+
THE BIOLOGICAL SIGNIFICANCE OF POWER LINE AND HIGH VOLTAGE SWITCHYARD ENVIRONMENTS 3171+
AN INTRODUCTION TO ELECTROMAGNETIC INTERACTION HAZARDS OF ELECTROMEDICAL EQUIPMENT 3385+

BRIGHTON, C. T.
IN VITRO EPIPHYSEAL-PLATE GROWTH IN VARIOUS CONSTANT ELECTRICAL FIELDS 0640+
HEALING OF NONUNION OF THE MEDIAL MALLEOLUS BY MEANS OF DIRECT CURRENT: A CASE REPT. 1813
ELECTRICAL STIMULATION AND OXYGEN TENSION 2234+
ELECTRICAL FRACTURE HEALING 2245
TREATMENT OF NONUNION WITH CONSTANT DIRECT CURRENT 2783+

BRILL, N. Q.
STIMULATION OF IRRITABLE TISSUES BY MEANS OF AN ALTERNATING MAGNETIC FIELD 2111

BRILL, W. A.
RADIATION EXPOSURE OVERVIEW-MICROWAVE OVENS AND THE PUBLIC-OCS 69-1 3047

BRINKMANN, J.
INFLUENCE OF ALTERNATING ELECTRIC FIELDS OF TECHNICAL FREQUENCY ON CHICKEN EMBRYOS 2351

BRINTON, J. B.
RF USED TO FIGHT CANCER 0133+
SYSTEM TO DETECT AND TREAT CANCER, USING MICROWAVES FOR BOTH TASKS 0409+

BRIONES, D. F.
PHYSIOLOGIC EFFECTS OF CEREBRAL ELECTROTHERAPY CURRENTS 1676

BRISH, T.
A COAXIAL PATHWAY FOR RECORDING FROM THE CAT BRAIN STEM DURING ILLUMINATION WITH UHF ENERGY 1037

BRISTOL, T. W.
INTERACTION BETWEEN AN ELECTROMAGNETIC PLANE WAVE AND A SPHERICAL SHELL 2959

BRISTOW, J. M.
EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON GERMINATION AND GROWTH RATE IN CORN SEEDS 2692

BRITAIN, R.
AMENDMENTS TO THE U. S. DEPT. OF HEALTH, EDUCATION, AND WELFARE MICROWAVE OVEN PERFORMANCE STANDARD 1817

BRITAIN, V. A.
MICROWAVE OVEN LABELING 1320+

BRIZZEE, K. R.
QUANTITATIVE HISTOLOGICAL STUDIES ON EFFECTS OF MICROWAVE RADIATIONS ON TISSUES OF THE CENTRAL NERVOUS SYSTEM 2552+

BROADHURST, M. G.
COMPLEX DIELECTRIC CONSTANT AND DISSIPATION FACTOR OF FOLIAGE 3335+

BRODEUR, M.
MICROWAVE OVENS: COOKING WITH YOUR FINGERS CROSSED 2930+

BRODEUR, P.
A REPORTER AT LARGE: MICROWAVES, PARTI 1106+
A REPORTER AT LARGE: MICROWAVES, PART II 1107+
THE ZAPPING OF AMERICA 2842+
ON THE BEACH 2921+

BRODIN, M. E.
PASSIVE TELEMETRY FOR IN VIVO MEASUREMENT OF FIELDS IN BIOLOGICAL MATERIALS 1144+

BRODKIN, R. H.
CUTANEOUS MICROWAVE INJURY 1811+

BRODSKY, A.
THE LOG-NORMAL FUNCTION AS A STOCHASTIC MODEL OF THE DISTRIBUTION OF STRONTIUM-90 AND OTHER FISSION PRODUCTS IN HUMANS 3178

BRODWIN, M. E.
COMPUTATION OF THE EM FIELDS AND INDUCED TEMPERATURES WITHIN A MODEL OF THE MICROWAVE-IRRADIATED HUMAN EYE 1043
A PASSIVE ELECTRODELESS METHOD FOR DETERMINING THE INTERIOR FIELD OF BIOLOGICAL MATERIALS 1235+

BRODY, S. I.
MILITARY ASPECTS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 3458+

BROGERG, P. J.
STIMULATION OF IRRITABLE TISSUES BY MEANS OF AN ALTERNATING MAGNETIC FIELD 2111

BROMFIELD, K. R.
REVERSAL OF COLD-INDUCED DORMANCY OF UREDOSPORES BY MICROWAVE AND INFRARED IRRADIATION 3473

BRONAUGH, E. L.
HYPERACTIVITY AND DISRUPTION OF OPERANT BEHAVIOR IN RATS AFTER MULTIPLE EXPOSURES TO MICROWAVE RADIATION 2763

BROOK, R. H.
RADIOFREQUENCY IN THE OPERATING-THEATRE 1798

BROVKIN, S. V.
LOW FREQUENCY ALTERNATING MAGNETIC FIELD IN THE TREATMENT OF PATIENTS WITH DEFORMING ARTHROSIS OF THE KNEE JOINTS 0278

BROWN, C. C.
ELECTROCONVULSIVE THERAPY AND EEG CORRELATES IN DEPRESSIVE DISORDERS 1870

BROWN, D. G.
NONIONIZING RADIATION LEVELS IN THE WASHINGTON, D. C., AREA 0567
A COMPARISON OF MICROWAVE DETECTION INSTRUMENTS 0776
RADIOFREQUENCY AND MICROWAVE RADIATION LEVELS RESULTING FROM MAN-MADE SOURCES IN THE WASHINGTON, D.C., AREA 0913
INVESTIGATION OF THE RESPONSE OF THE MICROLITE 287 PROBE TO MICROWAVE FIELDS, BRH/DEP 70-20 3033

BROWN, D. J.
REMOTE SENSING OF SOUTHEASTERN WASHINGTON - PART I: INFRARED SCANNING IMAGERY 3567

BROWN, G. H.
AN EXPLORATION OF THE EFFECTS OF STRONG RADIO-FREQUENCY

FIELDS ON MICRO-ORGANISMS IN AQUEOUS SOLUTIONS
0529+

PROPERTIES OF LIQUID CRYSTALS AND THEIR APPLICATION TO THE MEASUREMENT OF MICROWAVES AND INFRARED RADIATION. SEMINAR PAPER NO. 009
3046+

A CRITICAL STUDY OF THE CHARACTERISTICS OF BROADCAST ANTENNAS AS AFFECTED BY ANTENNA CURRENT DISTRIBUTION
3491+

BROWN, H. R.

EVIDENCE THAT GEOMAGNETIC VARIATIONS CAN BE DETECTED BY LORENZINIAN AMPULLAE.
0404+

BROWN, J.

PREDICTION OF AERIAL RADIATION PATTERNS FROM NEAR FIELD MEASUREMENTS.
3294+

BROWN, M. S.

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION: COMPILATION AND INTEGRATION OF REPORT AND SEVEN SUPPLEMENTS
0483

BROWN, P. F.

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION: COMPILATION AND INTEGRATION OF REPORT AND SEVEN SUPPLEMENTS
0483

EIGHTH SUPPLEMENT TO BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION
0484

BROWN, P. V.

THE INACTIVATION OF RODENT BRAIN ENZYMES IN VIVO USING HIGH-INTENSITY MICROWAVE IRRADIATION.
0387

INVESTIGATION OF SINGLE-EXPOSURE MICROWAVE OCULAR EFFECTS AT 3000 MHZ
1065

BIOLOGICAL EFFECTS AND HAZARDS OF MICROWAVE RADIATION
2616

BROWN, W. C.

SOLAR POWER SATELLITES: MICROWAVES DELIVER THE POWER.
0134+

THE RECEIVING ANTENNA AND MICROWAVE POWER RECTIFICATION
2934+

BROWNELL, A. S.

EFFECTS OF RADIO-FREQUENCY ENERGY ON HUMAN GAMMA GLOBULIN
2952

BRUCE-WOLFE, V.

MICROWAVE HYPERTHERMIA AND THE VISUALLY EVOKED POTENTIALS: PRELIMINARY OBSERVATIONS OF GUINEA PIGS
2662

BRUCKNER, V.

EFFECT OF LOCAL HYPERTHERMIA INDUCED BY MICROWAVES AND XRAYS ON WALKER'S CARCINOMA OF THE RAT. (IN GER.)
0136+

BRUESCHKE, E. E.

SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS
1754

EFFECT OF EM INTERFERENCE ON CARDIAC PACEMAKERS
1999+

HAZARDOUS EM INTERACTION WITH MEDICAL ELECTRONICS
2287

AN INTRODUCTION TO ELECTROMAGNETIC INTERACTION HAZARDS OF ELECTROMEDICAL EQUIPMENT
3385

BRUGNOLOTTI, P. L.

EVALUATION OF LYMPHOCYTE FUNCTION IN MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES
0279

BRUMMER, S. B.

ELECTRICAL STIMULATION WITH PT ELECTRODES: II–ESTIMATION OF MAXIMUM SURFACE REDOX (THEORETICAL NON-GASSING) LIMITS
0973+

ELECTROCHEMICAL CONSIDERATIONS FOR SAFE ELECTRICAL STIMULATION OF THE NERVOUS SYSTEM WITH PLATINUM ELECTRODES
1907+

BRUNELLE, R.

A STUDY OF CORONA DISCHARGES AT WATER DROPS OVER THE FREEZING TEMPERATURE RANGE
3135

BRUNER, A.

ABSENCE OF EM PULSE EFFECTS ON MONKEYS AND DOGS
0498

PROCEEDINGS OF THE TECHNICAL COORDINATION CONFERENCE ON EMR BIOLOGICAL EFFECTS, JULY 1970
0758

BRUNHART, G.

AFRRI ELECTROMAGNETIC PULSE (EMP) SIMULATOR
2085+

BRUNNER, C. D.

TEMPERATURE DISTRIBUTIONS AS PRODUCED BY MICROWAVES IN SPECIMENS UNDER THERAPEUTIC CONDITIONS
3545+

BRUNNER, G. D.

A COMPARATIVE EVALUATION OF TEMPERATURE DISTRIBUTIONS PRODUCED BY MICROWAVES AT 2,456 AND 900 MEGACYCLES IN GEOMETRICALLY COMPLEX SPECIMENS.
3328

COMPARISON OF RELATIVE HEATING PATTERNS PRODUCED IN TISSUES BY EXPOSURE TO MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AND 900 MEGACYCLES.
3329

COMPARISON OF DEEP HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES
3544

BRUSICK, D. J.

LACK OF MICROBIAL GENETIC RESPONSE TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ PULSED MICROWAVES
0366

BRYAN, R. N.

RETROGRADE AMNESIA: EFFECTS OF HANDLING AND MICROWAVE RADIATION
1201+

BRYNDOVA, V.

BLOOD PROTEINS IN PERSONNEL OF TELEVISION AND RADIO TRANSMITTING STATIONS
0888

THE PROBLEM OF EVALUATION OF EEG FINDINGS IN RELATION TO THE EXPOSURE OF USW RADIOWAVES (IN POLISH)
1943

BRYUKHOVA, A. K.

CERTAIN METHODOLOGICAL PROBLEMS AND RESULTS OF EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROORGANISMS AND ANIMALS
2300

BUCHANAN, A. R.

BIOMEDICAL EFFECTS OF EXPOSURE TO EMR, PART II: BIOMEDICAL EFFECTS ON THE EYE FROM EXPOSURE TO MICROWAVES AND IONIZING RADIATIONS
1215+

BUCHANAN, T. J.

ESTIMATION OF PROTEIN HYDRATION BY DIELECTRIC MEASUREMENTS AT MICROWAVE FREQUENCIES
0489

THE DIELECTRIC PROPERTIES OF SOME LONG CHAIN FATTY ACIDS AND THEIR METHYL ESTERS IN THE MICROWAVE REGION.
3201+

DIELECTRIC BEHAVIOUR OF METHYL PALMITATE IN THE MICROWAVE REGION
3482

BUCHTA, F. L.

A STUDY OF THE EFFECTS OF MICROWAVE IRRADIATION OF THE RAT TESTES
2185

BUCKING, J.

THE INFLUENCE OF A STRONG MAGNETIC FIELD ON MUSCULAR CONTRACTION.
3249+

BUCKLEY, F.

TABLES OF DIELECTRIC DISPERSION DATA FOR PURE LIQUIDS AND DILUTE SOLUTIONS (EXTRACTS THEROF).
3198+

BUDD, R. A.

KINETICS OF MOUSE HEMATOPOIETIC COLONY-FORMING UNITS FOLLOWING INJURY BY 2450 MHZ MICROWAVE IRRADIATION
3386+

HEMATOLOGICAL RESPONSE OF FETAL RATS FOLLOWING 2450 MHZ MICROWAVE IRRADIATION
3387+

BUDINGER, T. F.

THRESHOLDS FOR PHYSIOLOGICAL EFFECTS DUE TO RF AND MAGNETIC FIELDS USED IN NMR IMAGING. 0135+

BUDNIKHOV, V. N.

NONLINEAR EFFECT ON THE ABSORPTION OF MICROWAVES BY A PLASMA 0949

BULL, J. M.

HEAT AS CANCER THERAPY 0724+

BULLINGTON, K.

RADIO PROPAGATION AT FREQUENCIES ABOVE 30 MEGACYCLES 3490+

BULLOCK, T. H.

ELECTROMAGNETIC SENSING IN FISH 2416+

BUNCH, S. L.

SOME BIOLOGICAL EFFECTS OF MICROWAVE ENERGY 0992

BURCH, L. S.

MICROWAVE RADIATION AND CHLORDIAZEPOXIDE: SYNERGISTIC EFFECTS ON FIXED INTERVAL BEHAVIOR 0103

EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON BEHAVIORAL BASELINES 1094

MODIFICATION OF INTERNAL DISCRIMINATIVE STIMULUS CONTROL OF BEHAVIOR BY LOW LEVELS OF PULSED MICROWAVE RADIATION 2161

BURDESHAW, J. A.

FACTORS ASSOCIATED WITH THE INCIDENCE OF CONGENITAL ANOMALIES: A LOCALIZED INVESTIGATION 3140+

BURDETTE, E. C.

EM THAWING OF FROZEN GRANULOCYTES FOR TRANSFUSION 1005

PRELIMINARY IN-VIVO PROBE MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN MICE 2455+

BIOENGINEERING--EM HYPERTHERMIA 2584

BUREAU OF RAD. HEALTH

A PARTIAL INVENTORY OF MICROWAVE TOWERS, BROADCASTING TRANSMITTERS, AND FIXED RADAR BY STATES AND REGIONS. 3227+

BURGENER, R. C.

MEASUREMENT OF THE RADAR CROSS SECTION OF A MAN 0556

BURGESS, T. J.

BODY CURRENTS IN LIVE LINE WORKING 0974

BODY CURRENTS IN LIVE LINE WORKING 3015

BURGSDORF, V. V.

LIGHTNING PROTECTION OF 750-1150 KV TRANSMISSION LINES 3590+

THE STUDY OF ICE AND WIND LOADINGS, GALLOPING, VIBRATION AND SUB-SPAN OSCILLATION OF CONDUCTORS AND QUESTIONS OF THEIR LIMITATIONS 3592+

BURMISTROV, Y. M.

CHANGE IN IMPEDANCE OF THE NERVE STEM OF A FROG UNDER THE ACTION OF VISIBLE LIGHT 3443

BURNER, A. M.

BIOLOGICAL EFFECTS OF MICROWAVES: FUTURE RESEARCH DIRECTIONS 0631+

PANEL DISCUSSION II: FUTURE NEEDS IN RESEARCH ON THE BIOLOGICAL EFFECTS OF MICROWAVE AND R. F. RADIATION 1551+

BURNETT, B. M.

THE CLINICAL TESTING OF MALE GONAD SHIELDS 3620

BURNS, C. P.

EM THAWING OF FROZEN GRANULOCYTES FOR TRANSFUSION 1005+

THE EFFECT OF LOW ENERGY, EXTREMELY LOW FREQUENCY (ELF) EMR ON OPERANT BEHAVIOR IN THE PIGEON AND THE RAT 1757

ENHANCEMENT OF CANCER CHEMOTHERAPY BY SELECTIVE ELECTROMAGNETIC HEATING OF TUMORS 3393

BURNSTEIN, T.

ANNUAL REPT. OF MICROWAVE RADIATION RESEARCH AT U. OF MIAMI, CORAL GABLES, FLA. 0725

BURROWS, C. R.

RADIO PROPAGATION OVER PLANE EARTH-FIELD STRENGTH CURVES 3493+

BURSTEIN, M.

DECREASE OF ACETYLCHOLINE RECEPTOR SYNTHESIS IN MUSCLE CULTURES BY ELECTRICAL STIMULATION 0672

BURTON, C.

SURFACE ELECTRICAL STIMULATION (TRANSCUTANEOUS) FOR THE RELIEF OF PAIN 1677+

BUSBY, K.

A FIELD SURVEY OF FARMER EXPERIENCE WITH 765 KV TRANSMISSION LINES 3613+

BUSCO, R.

CURRENT IDEAS ON THE EFFECTS OF RADAR WAVES ON LIVING ORGANISMS AND RELATED METHODS OF PROTECTION, PART II (IN ITALIAN) 0451+

BUSH, D.

HEALTH HAZARDS FROM MICROWAVE EXPOSURE 1319+

BUSSEY, H. E.

MEASUREMENT OF RF-PROPERTIES OF MATERIALS - A SURVEY. 3313+

BUTCHER, F. R.

EFFECT OF ELECTRICAL STIMULATION OF THE AUTONOMIC NERVE SUPPLY ON THE CONCENTRATION OF GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE AND THE ACTIVITY OF GUANYLATE CYCLASE IN RAT SALIVARY GLANDS AND THEIR RELATIONSHIP TO THE INDUCTION OF GROWTH 1699

BUTCHER, L. L.

BRAIN TEMPERATURE AND ENZYME HISTOCHEMISTRY AFTER HIGH INTENSITY MICROWAVE IRRADIATION 0853+

FAST FIXATION OF BRAIN IN SITU BY HIGH INTENSITY MICROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL STUDIES 1123

ACETYCHOLINE AND CHOLINE LEVELS IN THE RAT CORPUS STRIATUM AFTER MICROWAVE IRRADIATION 1518

BUTCHER, S. H.

BRAIN TEMPERATURE AND ENZYME HISTOCHEMISTRY AFTER HIGH INTENSITY MICROWAVE IRRADIATION 0853

FAST FIXATION OF BRAIN IN SITU BY HIGH INTENSITY MICROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL STUDIES 1123+

ACETYCHOLINE AND CHOLINE LEVELS IN THE RAT CORPUS STRIATUM AFTER MICROWAVE IRRADIATION 1518+

BUTIKOFFER, R.

ELECTROCUTANEOUS NERVE STIMULATION-II: STIMULUS WAVE-FORM SELECTION 0067+

BUTLER, B. T.

EXPOSURE OF BACTERIA TO 2450 MHZ MICROWAVE RADIATION 0793

EXPOSURE OF BACTERIA TO 2450 MHZ MICTOWAVE RADIATION 2993

BUZALO, A. F.

VASCULAR CHANGES IN ANTERIOR SEGMENT OF THE EYE IN WORKERS SUBJECTED TO THE ACTION OF LOCAL VIBRATION AND HIGH- FREQUENCY EMR (IN RUSSIAN) 2073

BUZUKIN, V. G.

THE EFFECT OF A DISCHARGE OF A HIGH-VOLTAGE CONDENSER ON THE OPTIC PROPERTIES OF THE FROG CARDIAC MUSCLE (IN RUSSIAN) 1398

BYCHKOV, M. S.

MAIN DIRECTIONS AND RESULTS OF RESEARCH CONDUCTED IN THE USSR ON THE BIOLOGIC EFFECTS OF MICROWAVES 1273

ELECTROGRAPHIC DATA ON THE EFFECTS OF VERY WEAK MICROWAVES AT THE LEVEL OF THE MID-

BRAIN RETICULAR FORMATION- HYPOTHALAMUS-CEREBLAR CORTEX LEVEL 1444+

ELECTROENCEPHALOGRAPHIC CHANGES UNDER THE INFLUENCE OF LOW INTENSITY CHRONIC MICROWAVE IRRADIATIONS 1445+

RESULTS OF EXPERIMENTAL STUDIES ON EM IRRADIATION WITH LOW INTENSITY USW, SW, AND MW 1456

PRINCIPLES OF NEUROPHYSIOLOGICAL INVESTIGATIONS OF MICROWAVE BIOEFFECTS AND CHANGES IN ELEMENTARY EXCITABLE STRUCTURES ON EXPOSURE TO VERY LOW INTENSITY IRRADIATION 1461+

BYZOV, A. L.

EFFECTS OF APPLIED CURRENTS ON TURTLE CONES IN DARKNESS AND DURING THE PHOTORESPONSE 2640+

C

CABANAS, R.

DIELECTRIC RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS 0041

CABANES, J.

EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON LIVING ORGANISMS AND IN PARTICULAR ON MAN--GENERAL REVUE OF THE LIT. 1585+

BIBLIOGRAPHIC STUDY ON THE ELECTRIC AND MAGNETIC FIELD EFFECT ON LIVING ORGANISMS 1586+

CACAK, R. K.

MAGNETIC FIELD UNIFORMITY AROUND NEAR-HELMHOLTZ COIL CONFIGURATIONS 3309+

CAIN, C.

INTERACTION BETWEEN 2450-MHZ MICROWAVES AND IONIZING RADIATION IN TRIBOLIUM CONFUSUM 0035

THE EFFECTS OF MICROWAVE RADIATION, HYPERTHERMIA, AND L-ASCORBIC ACID ON EHRLICH ASCITES CARCINOMA CELL METABOLISM 0044

THE GENERATION OF ACOUSTIC SIGNALS IN MATERIALS IRRADIATED WITH MICROWAVE PULSES--A THEORETICAL ANALYSIS 2441

CAIN, C. A.

ABSENCE OF HEART-RATE EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY 1804

MICROWAVE HEATING IN ANIMALS AT 3.0 GHZ 2152+

ABSENCE OF HEART-RATE EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY 3390

CAIN, F. L.

GENERAL CONSIDERATIONS IN DETERMINING THE POTENTIAL PERSONNEL RADIATION HAZARDS FROM PHASED-ARRAY RADARS ABOARD SHIPS 0944

EM THAWING OF FROZEN GRANULOCYTES FOR TRANSFUSION 1005

DESIGN OF AN ILLUMINATION FACILITY FOR BIOLOGICAL EXPOSURE TO MICROWAVES 2433+

PRELIMINARY IN-VIVO PROBE MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN MICE 2455

BIOENGINEERING--EM HYPERTHERMIA 2584+

CAINE, S.

STATUS REPORT ON ACTIVITIES OF THE AMERICAN NATIONAL STANDARDS C95 COMMITTEE ON RADIO FREQUENCY RADIATION HAZARDS 2274+

CAIRNIE, A. B.

EFFECTS OF 2450 MHZ MICROWAVES ON MOUSE TESTICULAR CYTOLOGY 2894+

CAKMAK, O.

THE EFFECT OF HYPERTHERMIA ON SURVIVAL IN TRANSPLANTED LYMPHOSARCOMA 0019

CALDERWOOD, J. H.

DIELECTRIC PROPERTIES AND MEASUREMENT TECHNIQUES FOR BIOMOLECULES 1735

EVIDENCE FOR COLLECTIVE MAGNETIC EFFECTS IN AN ENZYME LIKELIHOOD OF ROOM TEMPERATURE SUPERCONDUCTIVE REGIONS 1737

ELECTRIC AND MAGNETIC PROPERTIES OF LYSOZYME AND OTHER BIOMOLECULES 1738

CALDERWOOD, S. K.

RADIOFREQUENCY HEATING OF TUMOURS IN RODENTS 2460

CALDWELL, L. R.

BEHAVIORAL CHANGES OF RATS EXPOSED TO MICROWAVE RADIATION 1848+

THERMOGRAPHIC AND BEHAVIORAL STUDIES OF RATS IN THE NEAR FIELD OF 918-MHZ RADIATIONS 2818

CALLOT, F.

STUDY OF FLUCTUATIONS OF THE ELECTRIC FIELD IN ITS RELATIONSHIPS WITH HIBERNATING SUBJECTS ON KERGUELEN (IN FRENCH) 2843+

CALUZADE

RADIOFREQUENCIES AND HYPERFREQUENCIES, APPLICATIONS AND RISKS (IN FRENCH) 3435

CAMERON, B. M.

A THREE-PHASE EVALUATION OF PULSED, HIGH FREQUENCY, RADIO SHORT WAVES (DIAPULSE). 646 PATIENTS 1823+

EXPERIMENTAL ACCELERATION OF WOUND HEALING 1824+

CAMETTI, C.

MICROWAVE DIELECTRIC LOSS OF BACILLUS SUBTILIS SPORES IN AQUEOUS SUSPENSIONS 0960

CAMPBELL, D.

BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS 2542

CAMPBELL, M. E.

PERFORMANCE EFFECTS OF CHRONIC MICROWAVE RADIATION 2288+

CAMPBELL, S.

EFFECT OF DIAGNOSTIC ULTRASOUND ON MATERNAL AND FETAL CHROMOSOMES 2938

CAMPELLONE, F.

RADIATION HAZARDS CAUSED BY HIGH-POWER, HIGH-FREQUENCY FIELDS 3509

CAMPIONE, C.

EFFECT OF LESIONS OF SOME ZONES OF THE BRAIN ON MITOSIS OF THE EPITHELIUM OF THE SMALL INTESTINAL GLANDS IN THE RAT (IN FRENCH) 2854

CANNON, H. W.

MICROWAVE IRRADIATION OF THE U.S. EMBASSY IN MOSCOW 0221+

CAPON, A. S.

ELECTRICAL & BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW 0083

CAPPA, S.

EXPERIMENTAL RESULTS FROM EXPOSURE OF ANIMALS TO AC ELECTRIC FIELD 3159

CAREY, R. J.

BIOMAGNETIC STRESSOR EFFECTS IN PRIMATES 2108

CARLETON, R. A.

EFFECT OF MICROWAVE OVEN ON IMPLANTED CARDIAC PACEMAKER 0513

ENVIRONMENTAL INFLUENCE ON IMPLANTABLE CARDIAC PACEMAKERS 3078+

CARLETTI, L.

BIOPHYSICAL ASPECTS OF HIGH WAVELENGTH EMR (IN ITALIAN) 1792+

CARLSSON, A. M.

PERCUTANEOUS CENTRAL GRAY STIMULATION FOR CANCER PAIN 3421

CARMACIU, R.

EFFECTS OF A HIGH-TENSION ELECTRIC FIELD ON THE SECRETION OF ANTIDIURETIC HORMONE IN RATS 1182+

CARNEY, S. A.

EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 2: EFFECT OF THE RADIATION ON SKIN BIOCHEMISTRY
0452+

EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 3: EFFECT OF PULSED MICROWAVES ON SKIN RESPIRATION AND BIOCHEMISTRY
0453+

CARPENTER, C. M.

THE PRODUCTION OF FEVER IN MAN BY SHORT RADIO WAVES
0454+

CARPENTER, D. O.

THE ELECTRICAL RESISTIVITY OF AQUEOUS CYTOPLASM
2540

CARPENTER, H. M.

EARLY LESIONS IN DOG TESTES DUE TO MICROWAVES
2848

CARPENTER, R. J.

COMPARISON OF ENDOSCOPIC CRYOSURGERY AND ELECTROCOAGULATION OF BRONCHI
2856+

CARPENTER, R. L.

OPACITIES IN THE LENS OF THE EYE EXPERIMENTALLY INDUCED BY EXPOSURE TO MICROWAVE RADIATION
0455+

EVIDENCE FOR NONTHERMAL EFFECTS OF MICROWAVE RADIATION: ABNORMAL DEVELOPMENT OF IRRADIATED INSECT PUPAE
0456+

THE ACTION OF MICROWAVE RADIATION ON THE EYE
0457+

AN EXPERIMENTAL STUDY OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION IN RELATION TO THE EYE
0732+

USE OF A DIELECTRIC LENS FOR EXPERIMENTAL MICROWAVE IRRADIATION OF THE EYE
1067+

ASSESSING MICROWAVES AS A HAZARD TO THE EYE--PROGRESS AND PROBLEMS
1257+

REPT. OF WORK IN PROGRESS AT TUFTS U.
1466+

EXPERIMENTAL MICROWAVE CATARACT: A REVIEW
1529+

REVIEW OF THE WORK CONDUCTED AT TUFTS U.--EXPERIMENTAL RADIATION CATARACTS INDUCED BY MICROWAVE RADIATION
1574+

MICROWAVE RADIATION
2017+

RELATIVE CATARACTOGENIC POTENCIES OF TWO MICROWAVE FREQUENCIES (2.45 AND 10 GHZ)
2157

LETTER OF COMMENT ON M. M. ZARET'S 'CATARACTS FOLLOWING USE OF MICROWAVE OVEN'
2653+

HISTOPATHOLOGICAL CHANGES DURING DEVELOPMENT OF MICROWAVE CATARACTS
2683+

ARE MICROWAVE CATARACTS THERMALLY CAUSED?
2684+

BIOLOGICAL EFFECTS OF MICROWAVE RADIATION, WITH PARTICULAR REFERENCE TO THE EYE
2869+

ENVIRONMENTAL BIOLOGY (TABLE 31)
3440+

CARRARO, B.

MONITORING OF ARTERIAL WALL MOVEMENT BY MICROWAVE DOPPLER RADAR
0283

CARRESCIA, V.

EXPERIMENTAL RESULTS FROM EXPOSURE OF ANIMALS TO AC ELECTRIC FIELD
3159

CARROLL, D. E.

LETHALITY OF RADIO-FREQUENCY ENERGY UPON MICROORGANISMS IN LIQUID, BUFFERED, AND ALCOHOLIC FOOD SYSTEMS
2498+

CARROLL, F. B.

THE EFFECTS OF BODY CORE HYPOTHERMIA ON BLOOD FLOW IN TUMORS HEATED WITH MICROWAVE RADIATION
2530

VASCULAR ALTERATIONS IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING
2531

PROTECTION OF THE MICROWAVE-IRRADIATED BRAIN WITH BODY-CORE HYPOTHERMIA
2533

INCREASED BLOOD FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING
2534

CARSON, R. W.

ELECTRICAL IMPEDANCE OF THE HUMAN BODY FOR HF (2-30 MHZ) BAND (INITIAL RESULTS)
2142+

CARSTENSEN, E. L.

LOW-FREQUENCY DIELECTRIC DISPERSION IN SUSPENSIONS OF ION-EXCHANGE RESINS
1852

PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS III. CONDUCTIVITY OF ISOLATED BACTERIAL CELL WALLS
1915+

PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS IV. STUDIES OF THE PROTOPLASTS OF MICROCOCCUS LYSODEIKTICUS
1916

PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS V. LOW-FREQUENCY DIELECTRIC DISPERSION OF BACTERIA
1917

INTERNAL CONDUCTIVITY OF ESCHERICHIA COLI
2499+

HEATING OF FAT-MUSCLE LAYERS BY ELECTROMAGNETIC AND DIATHERMY.
3374

COMPARATIVE EVALUATION OF ELECTROMAGNETIC AND ULTRASONIC DIATHERMY
3534

CARTER, H.

MUTAGENIC AND REPRODUCTIVE TESTS IN MALE RATS EXPOSED TO 425 OR 2450 MHZ (CW) MICROWAVES
3388

CARTER, H. B.

OBSERVATIONS OF MOUSE FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES
0006

CARTER, R. E.

AFRRI ELECTROMAGNETIC PULSE (EMP) SIMULATOR
2085

CARTER, R. F.

ELECTRICAL BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION
2403

CARTWRIGHT, E. G.

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS
3466

CARTWRIGHT, R. D.

THE EFFECTS OF ELECTROSLEEP ON INSOMNIA REVISITED
1307+

CARTY, M. J.

INFARCTION OF FALLOPIAN TUBE AFTER TUBAL DIATHERMY
0846

CARVER, P.

EFFECTS OF EM FIELDS ON MICROSOMAL ATPASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION
1080

CASS, A. S.

ELECTRICAL STIMULATION FOR VOIDING DYSFUNCTION AFTER SPINAL CORD INJURY
0009

CASSADY, J. R.

A STUDY OF HEAD AND NECK EXPOSURE FROM POLYTOMOGRAPHY
0632+

CASTIGLIONE, G.

VASCULAR ALTERATIONS IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING
2531

CASTIGLIONE, G. A.

THE EFFECTS OF BODY CORE HYPOTHERMIA ON BLOOD FLOW IN TUMORS HEATED WITH MICROWAVE RADIATION
2530

CASTLEMAN, B.

EFFECT OF DIATHERMY (SHORTWAVE AND MICROWAVE) ON BONE GROWTH IN THE ALBINO RAT.
3371

CASTRO, J. R.

THE USE OF 2450 MHZ OF MICROWAVE IN CANCER THERAPY.
0170

CASTRO, R. D.

THERMOREGULATORY, METABOLIC, AND CARDIOVASCULAR RESPONSE OF RATS TO MICROWAVES
0926

CATALLO, M. A.
INFLUENCE OF 2450 MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO 1155

CATRAVAS, G. N.
STYROFOAM CAGES FOR RATS USED IN MICROWAVE RESEARCH: COATING WITH QUININE 1009+
BIOCHEMICAL CHANGES IN THE BRAIN OF RATS EXPOSED TO MICROWAVES OF LOW POWER DENSITY 1141+
MICROWAVE EXPOSURE FACILITY: MULTIPLE ANIMAL EXPOSURE AT EQUAL POWER DENSITY 1617
A MULTIPLE-ANIMAL ARRAY FOR EQUAL POWER DENSITY MICROWAVE IRRADIATION 2127
PGE-STIMULATION OF ADENYL CYCLASE IN THE BRAIN OF RATS EXPOSED TO LOW POWER DENSITY MICROWAVE RADIATION 2412+
MICROWAVE EXPOSURE ARRAY: IMPROVED FIELD MEASUREMENTS 2615
STYROFOAM CAGES FOR RATS USED IN MICROWAVE RESEARCH: COATING WITH QUININE. 2904+

CAULFIELD, J. B.
THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT 0050

CAZENAVETTE, L.
MICROWAVE IRRADIATION, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS 2347

CAZENAVETTE, L. L.
SCREENING FOR CATARACTS AMONG VETERAN RADAR REPAIR AND MAINTENANCE TECHNICIANS 1066
THERMISTOR PROBE ERROR IN AN X-BAND MICROWAVE FIELD 1818

CEDRINI, L.
EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS ON THE PROPORTION OF THE DIFFERENT LEUCOCYTE TYPES 3128
EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTIVITY 3129

CENEDELLA, R. J.
BRAIN FREE FATTY ACID LEVELS IN RATS SACRIFICED BY DECAPITATION VERSUS FOCUSED MICROWAVE IRRADIATION 0928+

CERIA, F.
EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS ON THE PROPORTION OF THE DIFFERENT LEUCOCYTE TYPES 3128
EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTIVITY 3129

CERRETELLI, P.
RESEARCH CARRIED OUT IN ITALY BY ENEL ON THE EFFECTS OF HIGH VOLTAGE ELECTRIC FIELDS 1589+

CERVETTO, L.
EFFECTS OF APPLIED CURRENTS ON TURTLE CONES IN DARKNESS AND DURING THE PHOTORESPONSE 2640

CETAS, T. C.
THERMAL DOSIMETRY: SOME BIOPHYSICAL CONSIDERATIONS. 0321+
A BIREFRINGENT CRYSTAL OPTICAL THERMOMETER FOR MEASUREMENTS OF ELECTROMAGNETICALLY INDUCED HEATING 2208+
TEMPERATURE MEASUREMENT IN MICROWAVE DIATHERMY FIELDS: PRINCIPLES AND PROBES 2459+
INFRARED EMITTANCE OF EM PHANTOM MATERIALS AND INFRARED TRANSMITTANCE OF POLYETHYLENE 2669+
A COMPARATIVE HEATING-PATTERN STUDY OF DIRECT-CONTACT APPLICATORS IN MICROWAVE DIATHERMY 2742

CHALKLEY, H. W.
THE NATURE OF THE EFFECT OF A HIGH-FREQUENCY ELECTRIC FIELD UPON PARAMOECIUM 3464

CHAMBERLAIN, A. B.
THE BROADCAST ANTENNA 3492+

CHAMBERLAIN, J.
HIGH-FREQUENCY DIELECTRIC PROCESSES IN LIQUIDS. 3250+

CHAMBERS, J. E.
THERMAL CONDUCTIVITY MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL FLUIDS AND TISSUES 3542

CHAMNESS, A. F.
STUDIES ON BLOOD BRAIN BARRIER PERMEABILITY AFTER MICROWAVE RADIATION 0021
METAL ION CONTENT OF SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MHZ RADIOFREQUENCY IRRADIATION 0841+
THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS 1779
ORIENTATION EFFECTS ON MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHEMICAL CORRELATES 2800

CHAMP, M. A.
ULTRAHIGH FREQUENCY ELECTROMAGNETIC RADIATION UTILIZED FOR AQUATIC VEGETATION CONTROL 3119+

CHANDLER, L.
MEASUREMENTS AND A SIMPLIFIED INTERPRETATION OF MAGNETOCARDIOGRAMS FROM HUMANS 2102

CHANG, B. K.
ALTERATION OF BBB: A STUDY TO EXPLORE NEW THERAPY FOR CNS LEUKEMIA 2326+

CHANG, P. W.
INFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, AND BEHAVIOR IN DOMESTIC BIRDS, PHASE I: CONTINUOUS WAVE 1786
EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS IN DOMESTIC BIRDS 3134

CHANLETT, E. T.
THE RADIO FREQUENCIES AND MICROWAVE. 3219+

CHAPIN, E. W.
FIELD STRENGTH MEASUREMENTS 3496+

CHAPMAN, C. R.
BRAIN EVOKED POTENTIALS ARE FUNCTIONAL CORRELATES OF INDUCED PAIN IN MAN. 0138

CHAPUT, R. L.
GAMMA-AMINOBUTYRIC ACID METABOLISM IN RATS FOLLOWING MICROWAVE EXPOSURE 0482

CHARITY, L. F.
FREQUENCY DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC FIELDS 0981
FREQUENCY DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC FIELDS 3559

CHARKOW, J. H.
RATIONAL ANALYSIS OF ELECTRIC FIELDS IN LIVE LINE WORKING 0968

CHARTIER, V. L.
EXPERIMENTAL OXIDANT PRODUCTION RATES FOR EHV TRANSMISSIONS LINES AND THEORETICAL ESTIMATES OF OZONE CONCENTRATING NEAR OPERATING LINES 3113

CHARYULU, K. K.
THE THERMAL, NON-THERMAL AND THERAPEUTIC EFFECTS OF 2450 MHZ RADIATION ON MAMMALIAN CELLS 2342

CHASE, G. R.
THE INFLUENCE OF ELECTRICAL CURRENT ON AN INFECTING MICROORGANISM IN WOUNDS 2243

CHATEAUREYNAUD-DUPRAT, P.
INFLUENCE OF THE AGE OF MICE ON THE EFFECTIVENESS OF STIMULATION OF THE IMMUNE SYSTEM OF MICE BY ELECTRO-MAGNETIC RADIATION 3424

CHATO, B. T.
THERMOPHYSICAL PROPERTIED OF BIOLOGICAL MEDIA 3515+

CHATTERJEE, I.
ELECTROMAGNETIC ABSORPTION IN A MULTILAYERED MODEL OF MAN. 0127

CHEKHONADSKII, N. A.
ASSESSMENT OF THE POSSIBILITY OF PREDICTION OF INDIVIDUAL RADIOSENSITIVITY BY THE RESPONSE TO NON-RADIATION EFFECTS 0007

CHEN, A. C.
BRAIN EVOKED POTENTIALS ARE FUNCTIONAL CORRELATES OF INDUCED PAIN IN MAN. 0138+

CHEN, C. S.
BIOLOGICAL DIELECTROPHORESIS: THE BEHAVIOR OF LONE CELLS IN A NONUNIFORM ELECTRIC FIELD 2232+

CHEN, K.
RESPONSE OF INSULATED ELECTRIC FIELD PROBES IN FINITE HETEROGENEOUS BIOLOGICAL BODIES 0051

EM FIELDS INDUCED INSIDE ARBITRARILY SHAPED BIOLOGICAL BODIES 0804

EXPERIMENTAL AND THEORETICAL STUDIES ON EM FIELDS INDUCED INSIDE FINITE BIOLOGICAL BODIES 1239

EM FIELDS INDUCED INSIDE OF BIOLOGICAL BODIES 1741

CHEN, K. M.
QUANTIFICATION & MEASUREMENT OF INTERNAL ELECTRO- MAGNETIC FIELDS INDUCED IN FINITE BIOLOGICAL BODIES BY NONUNIFORM ELECTROMAGNETIC FEILDS. 0137+

CYTOTOXIC EFFECTS OF EMR ON CHINESE HAMSTER CELLS IN CULTURE 1134+

INDUCED EM FIELD AND ABSORBED POWER DENSITY INSIDE HUMAN TORSOS BY 1 TO 500 MHZ EM WAVES 1608+

INDUCED EM FIELD AND ABSORBED POWER DENSITY INSIDE A HUMAN TORSO 1795+

HYPERTHERMIA BY LOCAL EM HEATING AND LOCAL CONDUCTIVITY CHANGE 1909

CHROMOSOMAL ABERRATIONS OF LIVING CELLS INDUCED BY MICROWAVE RADIATION 1962+

QUANTIFICATION AND MEASUREMENT OF INDUCED FIELDS INSIDE FINITE BIOLOGICAL BODIES 2187+

FOCAL HYPERTHERMIA AS INDUCED BY RF RADIATION OF SIMULACRA WITH EMBEDDED TUMORS AND AS INDUCED BY EM FIELDS IN A MODEL OF A HUMAN BODY 2732+

INDUCED EM FIELDS INSIDE HUMAN BODIES IRRADIATED BY EM WAVES OF UP TO 500 MHZ 2796+

COUPLING BETWEEN SMALL THIN-WIRE ANTENNAS AND A BIOLOGICAL BODY 2827

CHENEY, D. L.
FOCUSSED MICROWAVE RADIATION: A TECHNIQUE TO MINIMIZE POST MORTEM CHANGES OF CYCLIC NUCLEOTIDES, DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY 1326

CHEREMNYKH, P. A.
EFFECTS OF STRONG INFRALOW-FREQUENCY MAGNETIC FIELDS ON BONE MARROW CELL DIVISION. 0437

CHERFAS, J.
HOW BIRDS FOLLOW INVISIBLE MAPS 2080+

CHERNAVSKII, D. S.
TWO POSSIBLE MECHANISMS OF THE EFFECT OF MICROWAVES ON HEMOGLOBIN 2308+

EFFECTS OF MICROWAVES ON HEMOGLOBIN 3123+

CHERNOVA, L. K.
ON THE ROLE OF ELECTRICAL AND MAGNETIC FIELDS IN THE VITAL ACTIVITIES OF BIOLOGICAL SYSTEMS 0763+

CHERNOVETZ, M. E.
ACCELERATION AND DECELERATION OF FETAL GROWTH OF RATS BY 2450 MHZ MICROWAVE IRRADIATION. 0222+

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER FETAL IRRADIATION OF MICE BY 2450-MHZ MICROWAVE ENERGY 1805+

A TERATOLOGICAL STUDY OF THE RAT: MICROWAVE AND INFRARED RADIATIONS COMPARED 2754+

MICROWAVE-INDUCED TERATOLOGY IN THE RAT 2880+

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER THE TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MICROWAVE ENERGY. 2882+

FETAL RAT DEVELOPMENT IN RESPONSE TO MICROWAVE RADIATION. 2899+

CHERNYAVSKAYA, G. Y.
ENERGY METABOLISM OF THE HYPOTHALAMO-HYPOPHYSEAL PART OF RAT BRAIN IN THE ANTITUMORAL EFFECT OF A MAGNETIC FIELD 1557

CHERNYSHEVA, M. A.
PARTICIPATION OF THE CENTRAL NERVOUS SYSTEM IN THE REGULATION OF CARBOHYDRATE METABOLISM IN ANIMALS EXPOSED TO AN ULTRAHIGH-FREQUENCY FIELD 2327+

CHERVINETS, V. M.
EFFECT OF EXPERIMENTAL MAGNETIC STORM ON THE PRODUCTION OF LAMBDA PHAGE. 0412+

CHERVOVA, L. K.
THE EFFECT OF ELECTRICAL AND MAGNETIC FIELDS ON THE VITAL ACTIVITY OF ORGANISMS 3507+

CHERWEK, M. L.
DEFIBRILLATION 1880

CHEUNG, A.
TECHNIQUES FOR UNIFORM AND REPLICABLE MICROWAVE HYPERTHERMIA OF A MODEL MOUSE CARCINOMA 0046

A TWO IMPEDANCE METHOD FOR WIDE RANGE DIELECTROMETRY 2215

MICROWAVE BOLUSING: A TECHNIQUE FOR IMPROVING HEATING UNIFORMITY FOR MICROWAVE HYPERTHERMIA 2528

EVALUATION OF AN IMPLANTABLE ELECTRIC-FIELD PROBE WITHIN FINITE SIMULATED TISSUES 2731

CHEUNG, A. L.
ENDORPHINS IN BRAINS OF DECAPITATED AND MICROWAVE-KILLED MICE 2219+

CHEUNG, A. Y.
SIMULTANEOUS FAR-FIELD IRRADIATION OF MULTIPLE MOUSE TUMORS FOR MICROWAVE HYPERTHERMIA. 0322+

EXPERIMENTAL DEVELOPMENT OF SIMULATED BIOMATERIALS FOR DOSIMETRY STUDIES OF HAZARDOUS MICROWAVE RADIATION 0858+

EXPERIMENTAL CALIBRATION OF A MINIATURE, ELECTRIC FIELD PROBE WITHIN SIMULATED MUSCULAR TISSUES 2207+

MUTUAL COUPLING BETWEEN LINEAR ANTENNAS 2214

A BOLUSING TECHNIQUE FOR BATCH MICROWAVE IRRADIATION OF TUMORS IN THE FAR FIELD 2453+

ELECTRIC FIELD MEASUREMENTS WITHIN BIOLOGICAL MEDIA 2667+

DUAL-BEAM TEM APPLICATOR FOR DIRECT-CONTACT HEATING OF DIELECTRICALLY ENCAPSULATED MALIGNANT MOUSE TUMOR 2739+

CHIABRERA, A.
CYTOFLUOROMETRY OF ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENTIATION (IN JAPAN) 0068+

CHIACCHIERINI, R. P.
A REVIEW OF RADIUM TOXICITY STUDIES 3112+

CHIAPPA, S. A.
IMMUNOREACTIVE LUTEINIZING HORMONE RELEASING FACTOR IN PITUITARY STALK BLOOD FROM FEMALE RATS: SEX STEROID MODULATION OF RESPONSE TO ELECTRICAL STIMULATION OF PREOPTIC AREA OR MEDIAN EMINENCE 0635

CHIBRIKIN, V. M.
THE MECHANISM OF THE BIOLOGICAL EFFECT OF CONSTANT MAGNETIC FIELDS 2489

CHICHIBU, S.
SUPER-HIGH FREQUENCY ELECTRIC FIELD AND CRUSTACEAN GANGLIONIC DISCHARGES 1942

CHINH, N. T.
RADIO NOISE METER RESPONSE TO RANDOM PULSES BY COMPUTER SIMULATION 3116

CHISTYAKOVA, E. N.
EFFECTS OF MILLIMETER-BAND RADIO WAVES ON CERTAIN PROPERTIES OF BACTERIA 2303
EFFECTS OF MILLIMETER-BAND EM WAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN BACTERIA 2304

CHIZHENKOVA, R. A.
CHANGES IN THE RABBIT ELECTROENCEPHALOGRAM UNDER THE THE INFLUENCE OF A STEADY MAGNETIC FIELD 0064+
CHANGES IN THE EEG OF THE RABBIT DURING THE ACTION OF A CONSTANT MAGNETIC FIELD 0951+
BACKGROUND AND EVOKED ACTIVITY OF NEURONS ON THE VISUAL CORTEX OF RABBITS AFTER THE ACTION OF A SUPERHIGH-FREQUENCY FIELD 1185+
THE ROLE OF DIFFERENT BRAIN FORMATIONS IN EEG REACTIONS OF RABBITS TO A CONSTANT MAGNETIC FIELD AND TO ULTRAHIGH- AND SUPERHIGH-FREQUENCY EM FIELDS 1486+
ELECTRICAL REACTION OF THE RABBIT CEREBRAL CORTEX TO VARIOUS EM FIELDS (IN RUSSIAN) 2000+
ELECTROPHYSIOLOGICAL ANALYSIS OF RESPONSES OF THE CENTRAL NERVOUS SYSTEM TO ELECTROMAGNETIC FIELDS 2480

CHMURKO, E.
INVESTIGATIONS OF THE CATARACTOGENIC INFLUENCE OF MICROWAVES OF 10 CM BAND 0989

CHOU, C.
MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION 1327

CHOU, C. K.
STUDY OF EFFECTS OF LONG-TERM LOW-LEVEL RF EXPOSURE ON RATS: A PLAN. 0400
MIDDLE-EAR STRUCTURES CONTRIBUTE LITTLE TO AUDITORY PERCEPTION OF MICROWAVES. 0411+
ELECTROPHYSIOLOGICAL EFFECTS OF EM FIELDS ON ANIMALS 0875
MICROWAVE-INDUCED ACOUSTIC EFFECTS IN MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERIALS 1072
MICROWAVE-INDUCED COCHLEAR MICROPHONICS IN CATS 1158+
EFFECT OF MICROWAVE FIELDS ON MUSCLE CONTRACTION 1190+
COCHLEAR MICROPHONICS GENERATED BY MICROWAVE PULSES 1207+
THE EFFECTS OF EM FIELDS ON THE NERVOUS SYSTEM 1582+
A SYSTEM FOR QUANTITATIVE CHRONIC EXPOSURE OF A POPULATION OF RODENTS TO UHF FIELDS 1693
MICROWAVE-INDUCED AUDITORY RESPONSE--COCHLEAR MICROPHONICS 2153+
EFFECT OF 2450 MHZ MICROWAVE FIELDS ON PERIPHERAL NERVES 2384+
MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION 2436
QUANTITATION OF MICROWAVE BIOLOGICAL EFFECTS 2665+
CHARACTERISTICS OF MICROWAVE-INDUCED COCHLEAR MICROPHONICS 2757+
ELECTROPHYSIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS ON ANIMALS 3610

CHRETIEN, P. B.
HEAT AS CANCER THERAPY 0724

CHRISTENSEN, D.
MICROWAVE-INDUCED ACOUSTIC EFFECTS IN MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERIALS 1072

CHRISTENSEN, D. A.
THERMAL DOSIMETRY AND TEMPERATURE MEASUREMENTS. 0139+

CHRISTENSEN, J.
THE TEMPERATURE-DEPENDENCE OF RESPONSES OF ESOPHAGEAL SMOOTH MUSCLE TO ELECTRICAL FIELD STIMULATION 2548+

CHRISTIANSON, C.
EMR HAZARDS IN THE NAVY 1200+

CHRISTMAN, C. L.
A MICROWAVE DOSIMETRY SYSTEM FOR MEASURED SAMPLED INTEGRAL-DOSE RATE 0805+
ENVIRONMENTALLY CONTROLLED WAVEGUIDE IRRADIATION FACILITY 0998

CHRYZANOWSKI, J.
GASTROINTESTINAL MOTOR ACTIVITY FOLLOWING EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIELD 1853

CHU, G.
INTERACTION BETWEEN AN ELECTROMAGNETIC PLANE WAVE AND A SPHERICAL SHELL 2959+

CHUKHLOVIN, B. A.
TO THE INTERACTION PHENOMENA BETWEEN INDUSTRIAL FREQUENCY AC (50 HZ) FIELD AND THE ORGANISM OF A HUMAN AND AN ANIMAL. (IN ENG.). 0165
THE EFFECT OF UHF EMR ON THE IMMUNOBIOLOGICAL PROPERTIES OF THE ORGANISM 0459+
CHANGES IN THE IMMUNOLOGICAL REACTIVITY OF THE ORGANISM AND IN THE PROPERTIES OF BACTERIA, VIRUSES, AND SIMPLE ANIMALS UNDER THE INFLUENCE OF LOW-INTENSITY MICROWAVE RADIATION 2261+
MECHANISM OF INTERACTION OF ALTERNATING ELECTRICAL FIELD OF INDUSTRIAL FREQUENCY WITH THE HUMAN AND ANIMAL BODY 3411

CHULINA, N. A.
VARIATIONS OF HEMOPOIESIS DUE TO MICROWAVE RADIATION 1346
STATE OF THE BLOOD SYSTEM UNDER THE INFLUENCE OF SHF FIELDS OF VARIOUS INTENSITIES AND IN RADIOWAVE SICKNESS 1442

CHURCH, W. W.
THE CLINICAL TESTING OF MALE GONAD SHIELDS 3620+

CIACCIA, A.
CHROMOSOME STUDIES OF RADAR CENTRE STAFF EXPOSED TO EMR (IN ITALIAN) 1007

CIVIERO, G.
ON THE MODIFICATIONS INDUCED BY SHORT WAVES ON THE PERIPHERAL CIRCLE (STUDY OF NORMAL SUBJECTS) 1925

CLAMPITT, L. L.
HIGH-POWER MICROWAVE TUBES 0833+

CLAPMAN, R. M.
ABSENCE OF HEART-RATE EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY 1804+
ABSENCE OF HEART-RATE EFFECTS IN ISOLATED FROG HEART IRRADIATED WITH PULSE MODULATED MICROWAVE ENERGY 3390+

CLARK, A. J.
EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON HUMAN BLOOD COAGULATION PROCESSES 0676

CLARK, J. W.
EFFECTS OF INTENSE MICROWAVE RADIATION ON LIVING ORGANISMS 0460+
EXPOSURE TO MICROWAVES 0555

CLARK, L. C.
STUDIES OF ENHANCED BONE HEALING VIA ELECTRICAL STIMULI: COMPARATIVE EFFECTIVENESS OF VARIOUS PARAMETERS 2771

CLARK, V. A.
ENVIRONMENTAL BIOLOGY (TABLE 31) 3440

CLARK, W. B.
MICROWAVE DIATHERMY IN OPTHALMOLOGY: CLINICAL EVALUATION. 3370+

CLARK, W. K.
PERIPHERAL NERVE INJURY FROM IMPLANTATION OF CHRONIC STIMULATING ELECTRODES FOR PAIN CONTROL 1878

CLARKE, R. L.
BEHAVIORAL, ETHOLOGICAL, AND TERATOLOGICAL EFFECTS OF ELECTROMAGNETIC RADIATION ON AN AVIAN SPECIES. 0140+
BEHAVIORAL SENSITIVITY TO MICROWAVE IRRADIATION 0514
A MICROWAVE OVEN FOR BEHAVIOURAL AND BIOLOGICAL RESEARCH: ELECTRICAL AND STRUCTURAL MODIFICATIONS, CALORIMETRIC, DOSIMETRY, AND FUNCTIONAL EVALUATION 1713

CLAYTON, R. E.
ELECTROSTATIC AND ELECTROMAGNETIC ENVIRONMENTAL CRITERIA FOR EHV OVERHEAD TRANSMISSION LINES 3169

CLEARY, S. F.
MICROWAVE CATARACTOGENESIS. 0401+
THE IN VIVO EFFECTS OF 2.45 GHZ MICROWAVE RADIATION ON RABBIT SERUM COMPONENTS AND SLEEPING TIMES 0634
UNCERTAINTIES IN THE EVALUATION OF THE BIOLOGICAL EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION 0679+
EFFECTS OF LOW INTENSITY MICROWAVE RADIATION ON MAMMALIAN SERUM PROTEINS 0922+
LENTICULAR CHANGES IN MICROWAVE WORKERS 1862+
EFFECT OF MICROWAVE RADIATION ON PENTOBARBITAL-INDUCED SLEEPING TIME 2171+
BIOLOGICAL EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION 2368+
CONSIDERATIONS IN THE EVALUATION OF THE BIOLOGICAL EFFECTS OF EXPOSURE TO MICROWAVE RADIATION 2500+
BIOLOGICAL EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION. 3206+
BIOLOGICAL EFFECTS OF MICROWAVE AND RADIOFREQUENCY RADIATION IN CRITICAL REVIEWS IN ENVIRONMENTAL CONTROL. 3210+
CONSIDERATIONS IN THE EVALUATION OF THE BIOLOGICAL EFFECTS OF EXPOSURE TO MICROWAVE RADIATION 3389+

CLOKE, R. L.
INEXPENSIVE READOUT FOR A COMMERCIAL THERMOCOUPLE MICROWAVE POWER DENSITY PROBE 0589+
A COMPARISON OF MICROWAVE DETECTION INSTRUMENTS 0776
CIRCUITRY FOR A 3-SECOND RESPONSE TIME IN THE NARDA 81100 MICROWAVE SURVEY INSTRUMENT, BRH/DEP N71-2 3040+

COAKLEY, J. M.
MEASUREMENTS OF THE RADIATION EMISSIONS FROM THE NUVELITE DENTAL APPLIANCE 3624

COATE, W. B.
PROJECT SANGUINE BIOLOGICAL EFFECTS TEST PROGRAM PILOT STUDIES 1760+

COATS, G. I.
THE DIPOLE/SLOT RADIATION PATTERN AND ITS USE IN UNDERSTANDING MICROWAVE LEAKAGE AND SURVEY TECHNIQUES 0773+

COCHRAN, W. W.
RADIO NOISE FROM TOWNS: MEASURED FROM AN AIRPLANE 3125

CODE, C. F.
DUODENAL-GASTRIC REFLUX AND SLOWED GASTRIC EMPTYING BY ELECTRICAL PACING OF THE CANINE DUODENAL PACESETTER POTENTIAL 1840

CODY, C. A.
THE DETECTION OF RF DAMAGE TO HIGH MOLECULAR WEIGHT BIOPOLYMERS BY RAMAN SPECTROSCOPY 1609+

COGAN, D. G.
CATARACTS AND ULTRA-HIGH-FREQUENCY RADIATION 3607+

COGAN, F. C.
EXPERIMENTAL MICROWAVE CATARACTS 0652
EFFECTS OF MICROWAVE RADIATION ON THE LENS EPITHELIUM IN THE RABBIT EYE 1044

COGAN, H. L.
THE DIELECTRIC CONSTANT OF WATER AS A FUNCTION OF TEMPERATURE AND PRESSURE. 3200

COHEN, A. I.
OPTIMAL RESOURCE ALLOCATION FOR AN ENVIRONMENTAL SURVEILLANCE SYSTEM 3188

COHEN, B. H.
PARENTAL RADIATION AND DOWN'S SYNDROME, WITH PARTICULAR ATTENTION TO IONIZING RADIATION AND RADAR. 0223+
PARENTAL FACTORS IN DOWN'S SYNDROME--RESULTS OF THE SECOND BALTIMORE CASE-CONTROL STUDY 1950+
RADIATION EXPOSURE IN PARENTS OF CHILDREN WITH MONGOLISM (DOWN'S SYNDROME) 2035
THE EPIDEMIOLOGICAL STUDY OF MONGOLISM IN BALTIMORE 2523+

COHEN, D.
MAGNETOENCEPHALOGRAPHY: EVIDENCE OF MAGNETIC FIELDS PRODUCED BY ALPHA-RHYTHM CURRENTS 2100+
MAGNETOENCEPHALOGRAPHY: DETECTION OF THE BRAIN'S ELECTRICAL ACTIVITY WITH A SUPERCONDUCTING MAGNETOMETER 2101+
MEASUREMENTS AND A SIMPLIFIED INTERPRETATION OF MAGNETOCARDIOGRAMS FROM HUMANS 2102+
MAGNETOCARDIOGRAMS TAKEN INSIDE A SHIELDED ROOM WITH A SUPERCONDUCTING POINT-CONTACT MAGNETOMETER 2103+
MAGNETOCARDIOGRAPHY OF DIRECT CURRENTS: S-T SEGMENT AND BASELINE SHIFTS DURING EXPERIMENTAL MYOCARDIAL INFARCTION 2104+

COHEN, J.
THERMOGENETIC AND CARDIODYNAMIC REGULATION IN DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES 0655

COHN, C.
EFFECT OF RADAR EMANATIONS ON THE HAMATOPOIETIC SYSTEM. 3319

COHN, S.
THE EFFECTS OF A COMBINATION OF MAGNETIC AND ELECTROMAGNETIC FIELDS ON CELLS 3006+

COHN, S. I.
THE OTP/OT SPECTRUM MANAGEMENT PROGRAM--AN OVERVIEW 1742

COLE, F. E.
EXTRA LOW FREQUENCY (ELF) EMR AS A BIOCOMMUNICATIONS MEDIUM: A PROTEIN TRANSRECEIVER SYSTEM 1670+

COLE, K. S.
DISPERSION AND ABSORPTION IN DIELECTRICS.I. ALTERNATING CURRENT CHARACTERISTICS. 3208+

COLE, R. H.
DISPERSION AND ABSORPTION IN DIELECTRICS.I. ALTERNATING CURRENT CHARACTERISTICS. 3208

COLEMAN, P. D.
A DIELECTRIC RESONATOR METHOD OF MEASURING INDUCTIVE CAPACITIES IN THE MILLIMETER RANGE. 3340

COLES, D.
INTERFERENCE HAZARDS WITH AUSTRALIAN NON-COMPETITIVE ('DEMAND') PACEMAKERS 3580

COLLAZO, L.
ENHANCED UPTAKE OF ANTINEOPLASTIC AGENTS PRODUCED BY MICROWAVE-INDUCED TUMOR HYPERTHERMIA AND DIFFERENTIAL HYPOTHERMIA IN A MURINE GLIOMA 2364

COLLIE, C. H.
DIELECTRIC PROPERTIES OF AQUEOUS IONIC SOLUTIONS,PART I. 3197

THE DIELECTRIC PROPERTIES OF WATER AND HEAVY WATER 3439+

COLVIN, M.
CYTOGENETIC EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS 3056

COLVIN, M. C.
ANNUAL REPORT OF THE EASTERN ENVIRONMENTAL RADIATION LABORATORY, JAN.- DEC. 1970 2955

COMBER, M. G.
PROGRESS REPORT OF EPRI PROJECT UHV 3124

COMIGNANI, L.
CURRENT IDEAS ON THE EFFECTS OF RADAR WAVES ON LIVING ORGANISMS AND RELATED METHODS OF PROTECTION, PART II (IN ITALIAN) 0451

COMMISSIONERS, N. Y.
OPINION AND ORDER AUTHORIZATING ERECTION OF SUPPORT STRUCTURES AND CONDUCTORS (OPINION NO. 76-12) 3150+

COMOROSAN, S.
A REPLY TO THE NOTE OF FED'KINA ET AL ON THE EFFECT OF EM FIELD ON ENZYMIC SUBSTRATES 2686+

COMSA, R. P.
TRANSIENT ELECTROSTATIC INDUCTION BY EHV TRANSMISSION LINES 3086+

CONNOLLY, J. F.
THE EFFECT OF ELECTRICAL STIMULATION ON THE BIOPHYSICAL PROPERTIES OF FRACTURE HEALING 2241+

THE ELECTRICAL ENHANCEMENT OF PERIOSTEAL PROLIFERATION IN NORMAL AND DELAYED FRACTURE HEALING 2782+

CONNOR, W. G.
THERMAL DOSIMETRY: SOME BIOPHYSICAL CONSIDERATIONS. 0321

PROSPECTS FOR HYPERTHERMIA IN HUMAN CANCER THERAPY, PART I: HYPERTHERMIC EFFECTS IN MAN AND SPONTANEOUS ANIMAL TUMORS 2063

CONOVER, D. L.
MEASUREMENT OF ELECTRIC- AND MAGNETIC-FIELD STRENGTHS FROM INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALERS. 0402+

MEASUREMENT OF POWER DENSITY FROM MARINE RADAR 0757

NONIONIZING RADIATION 1382

TEMPERATURE DISTRIBUTIONS INDUCED BY 2450 MHZ MICROWAVE RADIATION IN A TRILAYERED SPHERICAL PHANTOM 1816+

MEASUREMENT OF ELECTRIC AND MAGNETIC FIELD STRENGTHS FROM INDUSTRIAL RADIOFREQUENCY (15-40.68 MHZ) POWER SOURCES 2210+

INDUCTION OF TERATOGENIC EFFECTS IN RATS BY 27.12 MHZ RF RADIATION. 2898+

EVALUATION OF LITHIUM FLUORIDE FOR MICROWAVE DOSIMETRY APPLICATIONS 2944+

CALORIMETRIC CALIBRATION METHOD FOR A COMMERCIAL POWER MONITOR FOR USE WITH HIGH POWER MICROWAVE GENERATORS, (FDA) 73-8010, BRH/DEP 73-1 3039

CONRAD, E. E.
EXTENSION OF THE 'THIN-SAMPLE METHOD' FOR THE MEASUREMENT OF INITIAL COMPLEX PERMEABILITY AND PERMITTIVITY. 3337+

CONSTANT, E.
SIMULTANEOUS MICROWAVE LOCAL HEATING AND MICROWAVE THERMOGRAPHY: POSSIBLE CLINICAL APPLICATIONS 0264

CONSTANT, P. C.
THE RADIATION HAZARDS (RAD HAZ) PROGRAM ON THE FORMULATION OF STANDARDS 0461+

HEARING EM WAVES 0462+

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3466

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3572+

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3573

CONTAYES, N.
HIGH-FREQUENCY FIELDS IN SOLENOIDAL COILS. 3311+

CONVERT, G.
AN INTERSTITIAL DEVICE FOR MICROWAVE HYPERTHERMIA OF HUMAN TUMORS. 0329

COOK, A. W.
FUNCTIONAL STIMULATION OF THE SPINAL CORD IN MULTIPLE SCLEROSIS 0069+

COOK, E. S.
CELLULAR RESPIRATION IN INTERMITTENT MAGNETIC FIELDS 2117

COOK, H. F.
THE DIELECTRIC BEHAVIOUR OF SOME TYPES OF HUMAN TISSUES AT MICROWAVE FREQUENCIES 0463+

A COMPARISON OF THE DIELECTRIC BEHAVIOUR OF PURE WATER AND HUMAN BLOOD AT MICROWAVE FREQUENCIES 0464+

A PHYSICAL INVESTIGATION OF HEAT PRODUCTION IN HUMAN TISSUES WHEN EXPOSED TO MICROWAVES 0465+

MICROWAVES IN MEDICAL AND BIOLOGICAL RESEARCH 0549

THE EFFECTS OF MICROWAVES ON THE ROUS NO. 1 FOWL SARCOMA VIRUS 2503

DIELECTRIC BEHAVIOUR OF METHYL PALMITATE IN THE MICROWAVE REGION 3482+

COOK, H. H.
THE EFFECTS OF PULSED, HIGH-FREQUENCY RADIO WAVES ON THE RATE OF OSTEOGENESIS IN THE HEALING OF EXTRACTION WOUNDS IN DOGS 0993+

COOMBS, M. A.
NERVE STIMULATION BY IMPLANTED MICROWAVE DIODE 1494

COOPERMAN, A. M.
USE OF TRANSCUTANEOUS ELECTRICAL STIMULATION IN THE CONTROL OF POSTOPERATIVE PAIN 1926+

COOPERSMITH, L. W.
RESULTS OF THE 1970 MICROWAVE OVEN SURVEY 2034

COPE, F. W.
MAN IN A GAS OF TACHYON MAGNETOELECTRIC DIPOLES. 0122+

MAN IN A GAS TACHYON MAGNETOELECTRIC DIPOLES A NEW HYPOTHESIS. PT III: DEVELOPMENT OF THE PHYSICS OF THE THEORY, & EXPERIMENTAL CORRELATIONS 0123+

MAN IN A GAS TACHYON MAGNETOELECTRIC DIPOLES- A NEW HYPOTHESIS. PT I: A SUMMARY OF SOME REAL BUT UNEXPLAINED PHENOMENA. 0141+

EVIDENCE FROM ACTIVATION ENERGIES FOR SUPERCONDUCTIVE TUNNELING IN BIOLOGICAL SYSTEMS AT PHYSIOLOGICAL TEMPERATURES 0458+

SUPERCONDUCTIVITY--A POSSIBLE MECHANISM FOR NON-THERMAL BIOLOGICAL EFFECTS OF MICROWAVES 0665+

BIOLOGICAL SENSITIVITY TO WEAK MAGNETIC FIELDS DUE TO BIOLOGICAL SUPERCONDUCTIVE JOSEPHSON JUNCTIONS? 2105+

COPPOLA, J. C.
THERMOCOUPLE POWER MONITORS 1721+

COPPOLA, S. A.
A STUDY TO DETERMINE THE NECESSITY FOR THE DEVELOPMENT OF STANDARDS FOR THE USE OF SELECTED NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES 0756

COPPOLA, S. A.
A STUDY TO DETERMINE THE NECESSITY FOR USE OF SELECTED NON-MEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES, BRH/DEP 70-30
3037

CORDEY, J.
INFLUENCE OF MAGNETIC FIELDS ON GROWTH AND REGENERATION IN ORGAN CULTURE
0147

CORDINER, J. W.
INFARCTION OF FALLOPIAN TUBE AFTER TUBAL DIATHERMY
0846+

CORELLI, J. C.
EFFECTS OF 2.6-4.0 GHZ MICROWAVE RADIATION ON E-COLI B
2797+

COREN, E.
HOLOGRAPHIC ASSESSMENT OF A HYPOTHESIZED MICROWAVE HEARING MECHANISM
0302

CORRY, P.
THERMAL AND ELECTRONIC CONTRIBUTIONS TO SWITCHING IN MELANINS
1616

CORSHKOV, E. S.
EVIDENCE THAT GEOMAGNETIC VARIATIONS CAN BE DETECTED BY LORENZINIAN AMPULLAE
0404

CORY, W. E.
EFFECTS OF EM ENERGY ON THE ENVIRONMENT--A SUMMARY REPT.
0815+

CORYELL, M. R.
ELECTRICAL PARAMETERS OF PRECISION COAXIL, AIR DIELECTRIC TRANSMISSION LINES
3530

COTE, W. A.
UNIFORM POLYMER DISTRIBUTION IN PAPERS SATURATED WITH POLYMER SOLUTIONS VIA MICROWAVE POWER
0723

COULTER, J. S.
EXPERIMENTAL STUDIES IN DIATHERMY APPLIED TO THE EYE AND ORBIT A. THERMAL EFFECT OF DIATHERMY.
3365

COUNCIL OF MINISTERS
SAFETY AND ELECTROMAGNETIC FIELDS
2984+

COUNTS, R. W.
PROTECTION AGAINST MICROWAVE OVEN RADIATION LEAKAGE
0830

COURTNEY, K.
MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION
2436

COURTNEY, K. R.
MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION
1327+

COWART, G. S.
GROWTH OF STAPHYLOCOCCUS AUREUS IN A NULL MAGNETIC FIELD ENVIRONMENT
2495

COWN, B. J.
GENERAL CONSIDERATIONS IN DETERMINING THE POTENTIAL PERSONNEL RADIATION HAZARDS FROM PHASED-ARRAY RADARS ABOARD SHIPS
0944

COWPER, G.
NEWS: THE REST OF THE E/M SPECTRUM.
3247+

COYNE, H.
EXTREMELY LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIVER ENYZMES OF RATS
1782

CHANGES IN RATE OF GROWTH, AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS
2549

CRABTREE, D.
EM FIELDS AND SKIN WOUND REPAIR
0904

CRAMPTON, R. S.
DEFIBRILLATION
1880

CRAPUCHETTES, P. W.
MICROWAVE LEAKAGE INSTRUMENTATION
1547+

CRAVALHO, E. G.
TEMPERATURE DEPENDENCE OF THE MICROWAVE PROPERTIES OF AQUEOUS SOLUTIONS OF ETHYLENE GLYCOL BETWEEN +15 DEGREE CELSIUS AND -70 DEGREE CELSIUS.
0172

CRAVEN, S. E.
EFFECT OF MICROWAVE HEATING OF PRECOOKED CHICKEN ON CLOSTRIDIUM PERFRINGENS
2501+

CRAWFORD, R. E.
REPT. OF PRELIMINARY MEASUREMENTS OF EM RADIATION FIELDS NEAR MICROWAVE OVENS
0571

CRESPO, F. L.
EFFECT OF CONVENTIONAL AND MICROWAVE HEATING ON PSEUDOMONAS PUTREFACIENS, STREPTOCOCCUS FAECALIS AND LACTOBACILLUS PLANTARUM IN MEAT TISSUE
2693+

CRETEANU, G.
INFLUENCE OF LOW FREQUENCY EM FIELDS ON THE TOXINE GENERATING POTENTIAL OF THE TETANIC BACILLUS
1998+

CRIBORN, C. O.
INFLUENCE OF MICROWAVES WITHIN MICE:WEIGHT, RECTAL TEMPERATURE, RESPIRATION, TREAD MILL ACTIVITY, REACTION OF SENSES, AND LEARNING (IN SWEDISH)
0070+

EFFECT OF MICROWAVES IN THE THERMAL INTENSITY RANGE ON MICE. BODY WEIGHT, RECTAL TEMPERATURE, RESPIRATION, ACTIVITY IN RUUNNING WHEEL, PERCEPTION REACTIONS, AND TRAINI
0120+

CRIPPA, P. R.
QUANTITATIVE RADIATION EFFECTS IN HEMOPROTEINS AND THEIR CONSTITUENTS.
3202+

CRITELLI, G.
STIMULATION WITH AUTOMATIC RADIOFREQUENCY SYNCHRONIZATION AND PACING IN THE LONG-TERM TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN FRENCH)
3399+

CROCKER, E. A.
A MILLIMETER-WAVE LUNAR RADAR
3455

CROCKETT, R.
ACTION OF EM WAVES AND MAGNETIC FIELDS ON LIPID MODIFICATIONS BROUGHT ON IN THE RABBIT BY THE ADMINISTRATION OF AN ALIMENTARY HYPERCHOLESTEROL REGIME (IN FRENCH)
1775

CRONIN, M. P.
MICROWAVE THERMOGRAPHY
2524+

CRONKEY, J. E.
IN VITRO EPIPHYSEAL-PLATE GROWTH IN VARIOUS CONSTANT ELECTRICAL FIELDS
0640

CRONKITE, E. P.
POSSIBLE EFFECTS OF EMR'S
0602

CRONSON, H.
EXTENSIONS OF TIME DOMAIN METROLOGY ABOVE 10 GHZ TO MATERIALS MEASUREMENTS
0037+

CROOM, E. J.
DIELECTRIC DISPERSION OF DL-ALPHA-VALINE IN AQUEOUS SOLUTION
2798+

CROSS, H. A.
THE EFFECT OF MICROWAVE ON Y-MAZE LEARNING IN THE WHITE RAT
3503

CROUCH, G. E.
DIELECTRIC MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQENCIES.
3334

DIELECTRIC MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQUENCIES
3463

DIELECTRIC MEASUREMENTS OF LIQUIDS AT MICROWAVE FREQUENCIES
3467+

CROUCH, J. N.
INTERNAL CURRENT GAIN IN MICROWAVE-BIASED GALLIUM-DOPED SILICON 8-14 MM IR DETECTORS.
3354

CUBILLOS, P.

ELECTROCOAGULATION OF GASSER'S GANGLION IN TRIGEMINAL PAINS (IN SPANISH) 2859

CUDDY, T. E.

INHIBITION OF DEMAND PACEMAKERS BY SKELETAL MUSCLE POTENTIALS 2839

CUGOLA, L.

AUTO-ELECTROTHERAPY IN NERVE LESIONS 3398+

CULKIN, K. A.

DESTRUCTION OF ESCHERICHIA COLI AND SOLMONELLA TYPHIMURIUM IN MICROWAVE-COOKED SOUPS 0814+

CUMMINS, J. T.

DEPOLARIZATION OF THE NEURALLY BLOCKED GASTRIC MUCOSA OF THE RAT 0623+

CUNITZ, R. J.

BEHAVIORAL SUPPRESSION BY 383-MHZ RADIATION 1849+

CURRIE, M. R.

THE IMPORTANCE OF ELECTRONIC WARFARE TO THE NATIONAL DEFENSE POSTURE 1887+

CUSSONS, P. D.

EFFECTS OF FUSIMOTOR STIMULATION ON THE SENSITIVITY OF THE MUSCLE SPINDLE SECONDARY ENDING TO SMALL AMPLITUDE SINUSOIDAL STRETCH 2641+

CUSTIN, T. G.

MICROWAVE RADIATION HAZARDS 0466+

CUTKOMP, L.

CIRCADIAN RHYTHMS IN PLANTS, INSECTS AND MAMMALS EXPOSED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENTS 1781

CUTLER, J. L.

REVIEW OF WORK ACCOMPLISHED AT THE NEW ENGLAND INST. FOR MEDICAL RESEARCH 1471

THE BEHAVIOR OF UNICELLULAR ORGANISMS IN AN EM FIELD 1729

CUTRIGHT, D. E.

ELECTROANESTHESIA FOR MILITARY APPLICATION 1912

CZARNECKI, C.

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART II: FUNCTIONAL DISTURBANCES 0797

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART III: LENS TRANSLUCENCY 0798

EFFECTS OF MICROWAVES ON THE TWENTY-FOUR-HOUR RHYTHM AND TWENTY-FOUR-HOUR URINARY EXCRETION OF SEVENTEEN HYDROXYCORTICOIDS AND SEVENTEEN KETOSTEROIDS 1133

MICROWAVE RADIATION AND OTHER HARMFUL FACTORS OF WORKING ENVIRONMENT IN RADIOLOCATION: METHOD OF DETERMINATION OF MICROWAVE EFFECTS 1138

CZERLINSKI, G. H.

DIFFERENTIAL HEATING OF CELL-TYPES BY ABSORPTION OF MAGNETIC ENERGY 2328+

CZERSKI, P.

EXPERIMENTAL MODELS FOR THE EVALUATION OF MICROWAVE BIOLOGICAL EFFECTS 0625+

PROPOSALS FOR SPECIFICATION OF ALLOWABLE LEVELS OF MICROWAVE RADIATION 0628+

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART I: THEORETICAL CONSIDERATIONS AND PRACTICAL ASPECTS 0796+

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART II: FUNCTIONAL DISTURBANCES 0797

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART III: LENS TRANSLUCENCY 0798

ANALYSIS OF OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION 0876+

MEASUREMENTS OF MICROWAVE RADIATION 0897

COMPARISON OF THE USA, USSR AND POLISH MICROWAVE PERMISSIBLE EXPOSURE STANDARDS 1012+

MICROWAVE EFFECTS ON THE BLOOD-FORMING SYSTEM WITH PARTICULAR REFERENCE TO THE LYMPHOCYTE 1074+

INFLUENCE OF MICROWAVE RADIATION ON THE HEMATOPOIETIC SYSTEM 1278+

BIOLOGICAL EFFECTS OF MICROWAVES 1387

MICROWAVE IRRADIATION AND THE CIRCADIAN RHYTHM OF BONE MARROW CELL MITOSIS 1814+

OVERVIEWS ON NONIONIZING RADIATION 2021

MICROWAVES INDUCE AN INCREASE IN THE FREQUENCY OF COMPLEMENT RECEPTOR-BEARING LYMPHOID SPLEEN CELLS IN MICE 2066

MICROWAVE BIOEFFECTS. CURRENT STATUS AND CONCEPTS 2133+

THE EFFECT OF MICROWAVES (2450 MHZ) ON THE IMMUNE SYSTEM IN MICE. II. FUNCTIONAL STUDIES 2350

RESPONSES OF BIOSYSTEMS TO CHRONIC MICROWAVE EXPOSURE 2422+

CURRENT VIEWS ON MECHANISMS OF INTERACTION OF MICROWAVE AND RADIOFREQUENCY RADIATION WITH LIVING SYSTEMS 2476+

IMMUNE RESPONSE OF MICE TO 2450-MHZ MICROWAVE RADIATION: OVERVIEW OF IMMUNOLOGY AND EMPIRICAL STUDIES OF LYMPHOID SPLENIC CELLS 2756

BIOLOGICAL EFFECTS OF CM-WAVES AND DM-WAVES 3476

D

D'AMBROSIO, G.

TERATOGENIC POWER OF SHF FIELDS. FURTHER EXPERIMENTS ON TENEBRIO MOLITOR COLEOPTERON 2408+

PERCEPTION OF STATIC FIELDS BY LIVING ORGANISMS AND TERATOGENIC EFFECTS OF MICROWAVES 2830+

D'ANDREA, J. A.

BEHAVIORAL EFFECTS OF STRONG 60-HZ ELECTRIC FIELDS IN RATS. 0373

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES. 0414+

BEHAVIORAL EFFECTS OF RESONANT EM POWER ABSORPTION IN RATS 2166+

DEPOSITION OF EM ENERGY IN ANIMALS AND IN MODELS OF MAN WITH AND WITHOUT GROUNDING AND REFLECTOR EFFECTS 2733

BEHAVIORAL AND THERMAL EFFECTS OF MICROWAVE RADIATION AT RESONANT AND NONRESONANT WAVELENGTHS 2761+

D'AULERIO, M.

LONG-TERM CONTROL OF MYOCARDIAL THRESHOLD MEASURED BY MEANS OF A RADIOFREQUENCY SYSTEM (RADIOCOR) DESIGNED FOR IMPLANTATION IN SERIES WITH ANY KIND OF PACEMAKER (IN ITALIAN) 2078

D'CUNHA, G. F.

SYNCOPAL ATTACKS ARISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN THE VICINITY OF A TELEVISION TRANSMITTER 2004+

DAELS

MICROWAVE HEATING OF THE UTERINE WALL DURING PARTURITION 3391+

DAELS, J.

MICROWAVE HEATING OF THE UTERINE WALL DURING PARTURITION 0467+

DAGAN, J.
SOFT TISSUE STRETCHING WITH MAGNETS 3407

DAGE, E. L.
MUTAGENICITY INDUCED BY NON-IONIZING RADIATION IN SWISS MALE MICE 2178

DAILY, L. D.
THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE. 3366+
THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE OF THE RABBIT. 3367+

DAILY, L. E.
A CLINICAL STUDY OF THE RESULTS OF EXPOSURE OF LAB. PERSONNEL TO RADAR AND HIGH FREQUENCY RADIO 0468+

DAKERMANDJI, G.
MICROWAVE-POWER ABSORPTION BY RECTANGULAR-SHAPED CONDUCTIVE DIELECTRIC SAMPLES IN STRIPLINE 1646
A NEW METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF CONDUCTIVE MATERIALS AT MICROWAVE FREQUENCIES 3141+

DAKIN, T. W.
MICROWAVE DIELECTRIC MEASUREMENTS 3462+

DALEY, D.
MICROBIOLOGICAL ASPECTS OF EM ENERGY IN COMBINATION WITH OTHER PHYSICAL FACTORS 2509

DALLAIRE, R.
A NON CONTACT TEMPERATURE MONITOR FOR THE AUTOMATIC CONTROL OF MICROWAVE OVENS 0038

DALLOCHIO, M.
ACTION OF EM WAVES AND MAGNETIC FIELDS ON LIPID MODIFICATIONS BROUGHT ON IN THE RABBIT BY THE ADMINISTRATION OF AN ALIMENTARY HYPERCHOLESTEROL REGIME (IN FRENCH) 1775

DALZIEL, C. F.
DELETERIOUS EFFECTS OF ELECTRIC CURRENTS ON THE HUMAN ORGANISM (IN ITALIAN) 2626+
EFFECTS OF ELECTRIC CURRENT ON MAN 3277+
REEVALUATION OF LETHAL ELECTRIC CURRENTS 3278+

DAMADIAN, R.
A REPLY TO THE CONCEPT OF CANCER TREATMENT BY NMR 0852
TUMOR DETECTION BY NUCLEAR MAGNETIC RESONANCE 1967+

DAMATO, A. N.
FLUOROSCOPE-GENERATED EM INTERFERENCE IN AN EXTERNAL DEMAND PACEMAKER--REPT. OF A CASE 2370

DAMBERGER, C. A.
PILOT SURVEY OF SMALL MAMMAL POPULATIONS IN THE CHEQUAMEGON NATIONAL FOREST DURING 1971 AND 1972 1751

DAMELIN, J.
VHF-UHF RADIATION HAZARDS AND SAFETY GUIDELINES 2942+
DEVELOPMENT OF VHF AND UHF PROPAGATION CURVES FOR TV AND FM BROADCASTING 3523+

DAMES, D. L.
INTERACTION BETWEEN A LINEARLY POLARIZED ELECTROMAGNETIC PLANE WAVE AND A DOUBLE SPHERICAL SHELL 3551+

DANAYEVA, F. S.
MICROWAVE THERAPY OF INFLAMMATION OF THE GENITALS 2353

DANELIUC, E.
EFFECTS OF A HIGH-TENSION ELECTRIC FIELD ON THE SECRETION OF ANTIDIURETIC HORMONE IN RATS 1182

DANIEL, E. J.
PRELIMINARY REPT.: MICROWAVE FIXATION OF HUMAN TISSUES 0908

DANIEL, W. A.
DEVELOPMENT OF VHF AND UHF PROPAGATION CURVES FOR TV AND FM BROADCASTING 3523

DANIELS, C. J.
A COMPARISON OF INSTRUMENT PERFORMANCE IN MEASURING X-RAY TUBE CURRENT AND MAS 0630+

DANIELS, R.
ELECTROMAGNETIC COMPATIBILITY - AN OVERVIEW 3025

DANILAN, V. A.
HEALTH CONDITIONS OF WORKERS IN HIGH-VOLTAGE ELECTRIC FIELDS 3067+

DANILENKO, I. I.
EFFECT OF SHF EM ENERGY AND OF CONSTANT MAGNETIC FIELD ON MUTAGENESIS IN THE PRESENCE OF ANTIBIOTICS (IN RUSSIAN) 2001+

DANILOVA, I. N.
EFFECT OF A UHF ELECTRIC FIELD ON SPERMATOGENESIS. 0224+

DAO, T.
DUAL-BEAM TEM APPLICATOR FOR DIRECT-CONTACT HEATING OF DIELECTRICALLY ENCAPSUL[illegible]LIGNANT MOUSE TUMOR 2739

DARBY, C. F.
MICROWAVE DIATHERMY EQUIPMENT 2002+

DARCHUK, V. A.
COMPLEX REACTION OF LYMPHOID TISSUE TO INTERMITTENT MAGNETIC FIELDS 1997

DARDALHON, M.
DETERMINATION OF A THERMAL EQUIVALENT OF MILLIMETER MICROWAVES IN LIVING CELLS. 0413+
MICROWAVES ACTION IN PROCARYOTIC AND EUCARYOTIC CELLS AND A POSSIBLE INTERACTION WITH X-RAYS 1137
EFFECTS OF EMR OF MILLIMETRIC WAVELENGTH ON BACTERIAL GROWTH 1650
ACTION OF MICROWAVES ON BACTERIA, YEAST, AND DROSPHILA 3401+

DARDANO, J.
RESEARCH AND DEVELOPMENT OF FUNDAMENTAL PERFORMANCE INFORMATION RELEVANT TO THE BEHAVIORAL EFFECTS OF LOW LEVEL MICROWAVE EXPOSURE 2576+

DARENSKAIA, N. T.
ASSESSMENT OF THE POSSIBILITY OF PREDICTION OF INDIVIDUAL RADIOSENSITIVITY BY THE RESPONSE TO NON-RADIATION EFFECTS 0007+

DARUVALLA, S. R.
INFLUENCE OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHICKENS 2289

DASCALOV, I.
ELECTRONIC STIMULATOR FOR THE AUTOMATIC DETERMINATION OF THE EXCITABILITY CYCLE 2334+

DAVID, J.
EEG PATTERNS IN RELATION TO RESPIRATORY RATE AND BODY MOVEMENT IN MACACA-MULATTA 0734+

DAVIDSON, J. A.
EFFECTS OF MICROWAVE RADIATION ON EGGS, EMBRYOS AND CHICKENS 2059+

DAVIE, S. J.
THE EFFECTS OF MICROWAVES ON BIRDS: PRELIMINARY EXPERIMENTS 0581
NON-THERMAL EFFECTS OF MICROWAVE RADIATION ON BIRDS 0761

DAVIES, G. J.
HIGH-FREQUENCY DIELECTRIC PROCESSES IN LIQUIDS. 3250

DAVIS, A. R.
THE MAGNETIC BLUEPRINT OF LIFE 0367+

DAVIS, F. S.
PHYTOTOXICITY OF A UHF EM FIELD 1975+
ULTRAHIGH-FREQUENCY EM FIELDS FOR WEED CONTROL: PHYTOTOXICITY AND SELECTIVITY 2134+

ULTRAHIGH FREQUENCY ELECTROMAGNETIC RADIATION UTILIZED FOR AQUATIC VEGETATION CONTROL
3119

DAVIS, G. R.
MICROWAVES SCORE TKO IN FIGHT AGAINST CANCER
0845+

NAVY RESEARCHERS DEVELOP NEW SUB-MILLIMETER-WAVE POWER SOURCE
1661+

DAVIS, H.
DISCUSSION OF LONG-RANGE DEVELOPMENT PLANS IN THE AIR FORCE
1561+

DAVIS, L. A.
DIFFERENTIAL RESPONSE TO ELECTRICAL STIMULATION: A DISTINCTION BETWEEN INDUCED OSTEOGENESIS IN INTACT TIBIAE AND THE EFFECT ON FRESH FRACTURE DEFECTS IN RADII
2773

DAVIS, R.
LONG RANGE RADIATION HAZARD EXPERIMENT GETS UNDERWAY USING HUMAN VOLUNTEERS
0681+

SHORT ON SPACE? . . . . TRY THE COMPACT RANGE
1710+

TESTS SHOW COMMON RADIATION MAY CAUSE SERIOUS MALFUNCTIONS IN PACEMAKERS
2003+

MICROWAVE OVEN CONTROVERSY SIZZLES
3084+

DAVIS, T. R.
USE OF HIGH FREQUENCY EM WAVES IN THE STUDY OF THERMOGENESIS
1110+

DAVYDOV, B. I.
INJURY AND RECOVERY OF THE MOUSE ORGANISM AFTER MICROWAVE (2,400 MHZ) IRRADIATION. (IN RUS.).
0194

BIOLOGICAL INTERACTION BETWEEN RADIOFREQUENCY EM WAVES AND IONIZING RADIATION
0910+

DAWE, E.
A NONINVASIVE MICROWAVE APNEA DETECTOR
0381

DAWES, D.
PROGRESS REPORT ON 2450 MHZ IRRADIATION OF PREGNANT RATS AND THE EFFECT ON THE FETUS
2878

DAWES, D. L.
INTERACTION BETWEEN A LINEARLY POLARIZED ELECTROMAGNETIC PLANE AND A DOUBLE SPHERICAL SHELL
3088+

DAWSON, L. E.
SURVIVAL OF CLOSTRIDIUM PERFRINGENS ON CHICKEN COOKED WITH MICROWAVE ENERGY
2497

DAY, P. W.
COMBINATION RADIATION THERAPY AND LOCALIZED CURRENT FIELD HYPERTHERMIA OF SPONTANEOUS MALIGNANT NEOPLASMS OF ANIMALS. A PRECLINICAL STUDY
2329+

PRELIMINARY RESULTS USING LOCALIZED CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS
2366

DAY, S. R.
EFFECTS OF WEAK ELF ELECTRIC FIELDS ON SCHEDULE CONTROLLED BEHAVIOR OF MONKEYS
2112

DAY-MAGDALENO, S. R.
EXTREMELY LOW FREQUENCY, WEAK ELECTRIC FIELDS AFFECT SCHEDULE-CONTROLLED BEHAVIOUR OF MONKEYS
1169

DAYTON, W. P.
MICROWAVE RADIATION EFFECTS PROGRAM
0747+

DE BELLIS, F.
LONG-TERM CONTROL OF MYOCARDIAL THRESHOLD MEASURED BY MEANS OF A RADIOFREQUENCY SYSTEM (RADIOCOR) DESIGNED FOR IMPLANTATION IN SERIES WITH ANY KIND OF PACEMAKER (IN ITALIAN)
2078

DE CARLE, D. J.
THE TEMPERATURE-DEPENDENCE OF RESPONSES OF ESOPHAGEAL SMOOTH MUSCLE TO ELECTRICAL FIELD STIMULATION
2548

DE CERTAINES, J.
EFFECT OF HOMOGENEOUS MAGNETIC FIELD ON RED BLOOD CELLS: A CELL ELECTROPHORETIC STUDY
0117

DE CLERCQ, E.
INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTERFERON
0053

EFFECT OF MICROWAVES ON VIRUS MULTIPLICATION IN MAMMALIAN CELLS
1159

IN VITRO AND IN VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA
2065

DE GREEF, A. H.
PRELIMINARY INVESTIGATIONS OF THE EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RATS
1093

DE GROOT, K.
NON-INVASIVE TREATMENT OF EXTRACTION WOUNDS IN DOGS BY ELECTROMAGNETIC STIMULATION
0209

DE HAAS, W. G.
EFFECT OF ELECTRIC FIELDS ON GROWTH RATE OF EMBRYONIC CHICK TIBIAE IN VITRO
0592

EFFECTS OF ELECTRICAL STIMULATION ON BONE GROWTH IN VITRO AND ON FRACTURE HEALING
2330+

DE LORGE, J. O.
OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 1
0764+

OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 2
0765+

OPERANT BEHAVIOR OF RHESUS MONKEYS IN THE PRESENCE OF EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC AND ELECTRIC FIELDS: EXPERIMENT 3
0766+

A PSYCHOBIOLOGICAL STUDY OF RHESUS MONKEYS EXPOSED TO EXTREMELY LOW FREQUENCY-LOW INTENSITY MAGNETIC FIELDS
1212+

A PRIMATE RESTRAINT CHAIR FOR USE IN MICROWAVE RADIATION STUDIES
1218

CENTRAL-NERVOUS-SYSTEM EFFECTS AS MEASURED BY REACTION TIME IN SQUIRREL MONKEYS EXPOSED FOR SHORT PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS
1297

OPERANT METHODS ASSESSING THE EFFECTS OF ELF EM FIELDS
1714+

A PRIMATE-RESTRAINT DEVICE FOR USE IN MICROWAVE BIOLOGICAL RESEARCH
1951

THE EFFECTS OF MICROWAVE RADIATION ON BEHAVIOR AND TEMPERATURE IN RHESUS MONKEYS
2158+

OPERANT BEHAVIOR AND COLONIC TEMPERATURE OF SQUIRREL MONKEYS (SAIMIRI SCIUREUS) DURING MICROWAVE IRRADIATION
2539+

FIXED INTERVAL BEHAVIOR OF RATS EXPOSED TO MICROWAVES AT LOW POWER DENSITIES
2764

DE SIMON, L. B.
ELECTROANESTHESIA FOR MILITARY APPLICATION
1912

DE VECCHIS, M.
HIGH SENSITIVITY EM LEAKAGE MONITORS
1147+

DE VORE, R. T.
THE MICROWAVE OVEN SAFETY DEBATE
2471+

DE YOUNG, L. M.
MICROWAVE IRRADIATION: A NEW RAPID TECHNIQUE FOR SEPARATING EPIDERMAL TISSUE FROM MOUSE SKIN PRESERVING RNA, DNA, PROTEIN, AND PHORBOL ESTER-INDUCED ORNITHINE DECARBOXYLASE LEVELS
2825

DEAM, A. P.
NEUROCHEMICAL ALTERATIONS IN SPECIFIC BRAIN AREAS IN RODENTS EXPOSED TO HIGH INTENSITY FIELDS
1290

DEAN, W.

THE OTP/OT SPECTRUM MANAGEMENT PROGRAM--AN OVERVIEW 1742+

DEBETTENCOURT, J. T.

DESIGN OF MILLIMETER WAVE COMMUNICATION SYSTEMS 3456

DEBIEC, H.

INFLUENCE OF MICROWAVES ON GENETICAL PROCESSES OF ASPERGILLUS NIDULANS 1140

DEBONS, A.

HUMAN ENGINEERING APPLICATIONS AS RELATED TO PERSONNEL PROTECTION 1569+

DEBRAS, C.

POINT ELECTROANESTHESIA (GENERAL ELECTROPHARMACEUTICAL ANESTHESIA 1224

DECHAUX, P.

EFFECT OF MICROWAVE RADIATION (2MHZ) ON THE PITUTITARY-TESTICULAR AXIS IN THE WHITE RAT 3400+

DECORPO, J. J.

POWER VARIATIONS IN MICROWAVE EXPOSURE RESULTING FROM DIFFERENT SOURCE GASES 1221+

DEDENKO, I. I.

HUMAN TOLERANCE TO LOCAL INFRARED IRRADIATION 0730+

DEDENKOV, A. N.

COMBINATION OF CARMINOMYCIN WITH UHF HYPERTHERMIA IN THE TREATMENT OF SARCOMA 180 (IN RUSSIAN) 0252

DEFICIS, A.

VARIATIONS OF EXCITABILITY AND OF NERVOUS CONDUCTION UNDER THE INFLUENCE OF MICROWAVES (IN FRENCH) 0818+

VARIATION OF SERUM TRYGLYCERIDES RATE UNDER THE ACTION OF EM WAVES: POWER LEVEL INFLUENCE 1129+

EFFECT OF EM ENERGY ON THE FORMATION OF TRIGLYCERIDES: FREQUENCY INFLUENCE 1130+

NON-PERTURBING MICROPROBES FOR MEASUREMENT IN EM FIELDS 1142+

BIOLOGICAL ALTERATIONS OBSERVED UNDER MICROWAVE IRRADIATION 2290+

DEGEN, I. L.

THERAPEUTIC EFFECT OF CONSTANT AND LOW-FREQUENCY INTERMITTENT MAGNETIC FIELDS (SURVEY OF THE LITERATURE) 2135+

CONSOLIDATION OF BONE FRAGMENTS IN A CONSTANT MAGNETIC FIELD 2478+

BIOPHYSICAL EXPLANATIONS OF THE EFFECT OF MAGNETIC FIELDS ON BIOLOGICAL OBJECTS 3189+

DEGTYAR', Y. R.

EFFECTS OF SHF FIELDS ON MUSCLE OXYGEN TENSION AND TEMPERATURE IN RATS ADAPTED TO HYPOXIA 0378+

DEICHMANN, W. B.

EFFECTS OF ENVIRONMENTAL TEMPERATURE AND AIR VOLUME EXCHANGE ON SURVIVAL OF RATS EXPOSED TO MICROWAVE RADIATION OF 24,000 MEGACYCLES 0469+

RELATION OF INTERRUPTED PULSED MICROWAVES TO BIOLOGICAL HAZARDS 0470+

RESPONSE OF THE DOG TO 24,000 AND 1285 MHZ MICROWAVE EXPOSURE 0617

EFFECT OF MICROWAVE RADIATION ON THE HEMOPOIETIC SYSTEM OF THE RAT 2005+

BIOLOGICAL EFFECTS OF MICROWAVE RADIATION OF 24,000 MEGACYCLES 2136+

MICROWAVE RADIATION OF 10 MW/CM AND FACTORS THAT INFLUENCE BIOLOGICAL EFFECTS AT VARIOUS POWER DENSITIES 2137+

DEINEGA, I. F.

EFFECTS OF HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN) 0015

DEITZ, J.

MAN-MADE NOISE. REPORT TO TECHNICAL COMMITTEE OF THE ADVISORY COMMITTEE FOR LAND MOBILE RADIO SERVICES FROM WORKING GROUP 3 2956+

DELATEUR, B.

EVALUATION OF A THERAPEUTIC DIRECT-CONTACT 915-MHZ MICROWAVE APPLICATOR FOR EFFECTIVE DEEP-TISSUE HEATING IN HUMANS 0049

DELATEUR, B. J.

TEMPERATURE DISTRIBUTION PRODUCED IN MODELS BY THREE MICROWAVE APPLICATORS AT 433.92 MHZ 0911

HEATING PATTERNS PRODUCED IN HUMANS BY 433.92 MHZ ROUND FIELD APPLICATOR AND 915 MHZ CONTACT APPLICATOR 1325

DELBOS, G.

DIELECTRIC RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS 0041

MICROWAVE DIELECTRIC RELAXATION OF AQUEOUS SOLUTIONS OF DEXTRAN 3403+

DELFOUR, A.

VARIATIONS OF EXCITABILITY AND OF NERVOUS CONDUCTION UNDER THE INFLUENCE OF MICROWAVES (IN FRENCH) 0818

DELLA PICCOLA, A.

CHROMOSOME STUDIES OF RADAR CENTRE STAFF EXPOSED TO EMR (IN ITALIAN) 1007

DELORGE, J.

DISRUPTION OF BEHAVIOR IN MAMMALS OF THREE DIFFERENT SIZES EXPOSED TO MICROWAVES: EXTRAPOLATION TO LARGER MAMMALS 0225+

DELTOUR, G.

REPT. ON THE MICROWAVE-PROTECTION OF BACTERIA EXPOSED TO GAMMA IRRADIATION 0995

NOTE ON THE RADIO PROTECTION EXERTED BY ULTRASHORT WAVES WITH RESPECT TO BACTERIA (IN FRENCH) 2627

DEM'IANENKO, A. P.

EFFECTS OF HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN) 0015

DEMENT'YEV, V. A.

THE MECHANISM OF THE BIOLOGICAL EFFECT OF CONSTANT MAGNETIC FIELDS 2489

DEMETSKIY, A. M.

USE OF ARTIFICIAL EM FIELDS IN MED. 1556+

DEMOKIDOVA, N. K.

CERTAIN DATA ON THE BIOLOGICAL EFFECTS OF CONTINUOUS AND INTERMITTENT MICROWAVE RADIATION 1449+

THE EFFECTS OF RADIOWAVES ON THE GROWTH OF ANIMALS 1463+

THE NATURE OF CHANGES IN SOME METABOLIC INDICES IN RESPONSE TO NONTHERMAL INTENSITY RADIOWAVES 2805+

DEMONG, N. J.

MAGNETIC DIRECTION FINDING: EVIDENCE FOR ITS USE IN MIGRATORY INDIGO BUNTINGS 2106

DENISIEWICZ, R.

DUODENAL ULCER IN PERSONS OCCUPATIONALLY EXPOSED TO MICROWAVE RADIATION 1854

DENO, D. W.

TRANSMISSION LINE FIELDS 3164+

DENT, W. A.

A FLUX-DENSITY SCALE FOR MICROWAVE FREQUENCIES 0749+

DENTON, N. B.

RADIATION EXPOSURE CONSIDERATIONS WHEN EMPLOYING MICROWAVE-EXCITED SPECTROSCOPIC SOURCES 2567

DENYSK, B.
EFFECT OF DMSO ON THE DIELECTRIC PROPERTIES OF CANINE KIDNEY TISSUE
2847

DER, R.
HEAT IN MALE CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROWAVE, AND ULTRASOUND)
0932

DEREYMAEKER, A.
AN EXPERIMENTAL PERMEABILIZATION OF THE BLOOD-BRAIN BARRIER BY ELECTRIC FIELD APPLICATION
2820+

DESANTIS, M.
THE EFFECTS OF LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES
0230

DO MICROWAVES ALTER NERVOUS SYSTEM STRUCTURE?
1062

HISTOLOGICAL OBSERVATIONS ON CENTRAL NERVOUS SYSTEM
2170

DESCHAUX, P.
PRELIMINARY STUDY OF THE CUMULATIVE EFFECT OF MICROWAVE RADIATION (2,450 MHZ) ON THE IMMUNE RESPONSE OF THE MOUSE
0312

EFFECTS OF LOW LEVEL MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT OF THE RAT
0370

EFFECT OF MICROWAVES ON STEROIDS PLASMA LEVELS IN MALE RATS
2788+

DESERRES, F. J
THE EVALUATION OF CHEMICAL MUTAGENICITY DATA IN RELATION TO POPULATION RISK
3085+

DETWILER, R. E.
THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS
1779

DEUTSCH, C.
MICROWAVE HOLOGRAPHY USING LIQUID CRYSTAL AREA DETECTORS
3362

DEVIATKOV, N. D.
INFLUENCE OF MILLIMETER-BAND EMR ON BIOLOGICAL OBJECTS
2299+

USE OF SUPER-HIGH FREQUENCY TO HEAT UP DEEP-FROZEN ERYTHROCYTES (IN RUSSIAN)
2723

DEWHURST, C. J.
EFFECT OF DIAGNOSTIC ULTRASOUND ON MATERNAL AND FETAL CHROMOSOMES
2938

DHEW-FDA-BRH
DIAGNOSTIC X-RAY SYSTEMS AND THEIR MAJOR COMPONENTS
3003+

DIACHENKO, J. A.
BIOMEDICAL ASPECTS OF NONIONIZING RADIATION: AN OVERVIEW OF THE NWL EFFORT
0827+

THE EFFECTS OF HIGH POWER PULSED AND LOW LEVEL CW MICROWAVE RADIATION ON AN OPERANT BEHAVIOR IN RATS
1310+

DICKSON, J. A.
RADIOFREQUENCY HEATING OF TUMOURS IN RODENTS
2460+

TUMOR ERADICATION IN THE RABBIT BY RADIOFREQUENCY HEATING
2585+

TECHNOLOGY FOR THE HYPERTHERMIC TREATMENT OF LARGE SOLID TUMOURS AT 50 DEGREES CENTRIGRADE
2694+

DIEGLE, R. B.
STUDIES OF ENHANCED BONE HEALING VIA ELECTRICAL STIMULI: COMPARATIVE EFFECTIVENESS OF VARIOUS PARAMETERS
2771

DIETERICH, B. H.
WHO CONCERN AND ACTIVITIES RELATED TO HEALTH IMPLICATIONS OF MICROWAVE RADIATION
1368+

DIETRICH, F. M.
EXPERIMENTAL OXIDANT PRODUCTION RATES FOR EHV TRANSMISSIONS LINES AND THEORETICAL ESTIMATES OF OZONE CONCENTRATING NEAR OPERATING LINES
3113

DIETZEL, F.
THERMORADIOTHERAPY IN ANIMAL EXPERIMENT: TUMOR GROWTH AND TUMOR CURE (IN GERMAN)
0008+

FURTHER PROGRESS WITH ONCOLYSIS DUE TO LOCAL HIGH FREQUENCY HYPERTHERMIA, LOCAL X-IRRADIATION AND APATHOGENIC CLOSTRIDA
0236

COMBINATION OF RADIOTHERAPY, MICROWAVE HYPERTHERMIA AND CLOSTRIDIAL ONCOLYSIS ON EXPERIMENTAL MOUSE TUMORS
0323+

ABNORMALITIES AND INTRA-UTERINE DEATH FOLLOWING MICROWAVE THERAPY IN EARLY PREGNANCY, ANIMAL EXPERIMENTS (IN GERMAN)
0670+

MICROWAVES IN RADIOTHERAPY OF TUMORS--ALTERNATIVE TO HEAVY PARTICLES?
0906+

EFFECTS OF EMR ON IMPLANTATION AND INTRAUTERINE DEVELOPMENT OF THE RAT
1087+

THE INFLUENCE OF A HIGH-FREQUENCY HYPERTHERMIA ON THE EHRLICH'S-ASCITES CARCINOMA IN THE MOUSE (IN GERMAN)
1187+

TUMOR SYNCHRONIZATION BY MICROWAVES (IN GERMAN)
1188+

TUMOR HYPERTHERMY BY MEANS OF RADIOFREQUENCY IN ORDER TO ENHANCE ONCOLYSIS BY COLOSTRIDIUM BUTYRICUM (STRAIN M 55) (IN GERMAN)
1806+

RADIATION SENSITIZATION OF TUMOR CELLS BY MICROWAVES--END OF OXYGEN PROBLEMS? (IN GERMAN)
2623+

MICROWAVE HYPERTHERMIA AND ONCOLYSIS BY CLOSTRIDIUM (IN GERMAN)
2634

DEFORMITY AND INTRA-UTERINE DEATH AFTER SHORT-WAVE THERAPY IN EARLY PREGNANCY IN EXPERIMENTAL ANIMALS
2879+

ABORTION FOLLOWING ULTRA-SHORT-WAVE HYPERTHERMIA ANIMAL EXPERIMENTS
2883+

DIMINICK, D. D.
THE ENVIRONMENTAL PROTECTION AGENCY,S RESPONSE TO ENVIRONMENTAL RADIATION CONTROL ISSUES
3001+

DIOTTE, M. P.
A PROPOSAL FOR A MICROWAVE RADIATION WARNING SIGN
1698

DISNEY, R. T.
INTERFERENCE AND COMPATIBILITY MONITORING AND MEASUREMENTS FOR UHF SATELLITE EARTH TERMINALS
3510

DITCHEK, T.
A MEDICAL X-RAY SURVEY PACKET
2958+

DITNER, D. S.
ENVIRONMENTAL BIOLOGY (TABLE 31)
3440

DJOKOVIC, V.
STUDIES ON THE HEMATOLOGIC EFFECTS OF LONG-TERM, LOW-DOSE MICROWAVE EXPOSURE
2398

DJORDJEVIC, Z.
CHANGES IN THE PERIPHERAL BLOOD OF THE RAT EXPOSED TO MICROWAVE RADIATION (2400 MHZ) IN CONDITIONS OF CHRONIC EXPOSURE
0682+

STUDIES ON THE HEMATOLOGIC EFFECTS OF LONG-TERM, LOW-DOSE MICROWAVE EXPOSURE
2398+

DMITRIEVA, O. K.
DYNAMICS OF CHANGES OF THE CORTICAL-SUBCORTICAL CORRELATIONS IN EXPERIMENTAL ANIMALS UNDER THE ACTION OF PULSED CURRENTS (BY THE METHOD OF ELECTROANALGESIA)
0024

DMITRIYEVA, A. P.
MICROWAVE THERAPY OF INFLAMMATION OF THE GENITALS
2353

DOBERNECK, R. C.
PRELIMINARY RESULTS USING LOCALIZED CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS
2366

DOBKOWSKA, A.
CHANGES IN MUSCULAR FORCE IN ELDERLY SUBJECTS CAUSED BY ELECTRICAL STIMULATION
3402+

DOCHKIN, I. I.
THE EFFECT OF UHF WAVES ON HEMOPOIESIS (EXPERIMENTAL INVESTIGATION)
2006+

DOCTOR, N. J.
EXTENSION OF THE 'THIN-SAMPLE METHOD' FOR THE MEASUREMENT OF INITIAL COMPLEX PERMEABILITY AND PERMITTIVITY. 3337

DOCTOR, S. R.
SHUTTLEBOX SIDE PREFERENCE DURING PULSED MICROWAVE AND CONVENTIONAL AUDITORY CUES. 0239

DODDS, D. D.
INHIBITION OF BACTERIAL CELL GROWTH BY 136 GC MICROWAVES 0657

DODDS, D. E.
ABSORPTION OF MICROWAVES BY MOLECULES. 3244+

DODGE, C.
BIOLOGICAL AND MEDICAL ASPECTS OF MICROWAVES 1114+

DODGE, C. H.
SOVIET VIEWS ON THE BIOLOGICAL EFFECTS OF MICROWAVES--AN ANALYSIS 0701
CLINICAL AND HYGIENIC ASPECTS OF EXPOSURE TO EM FIELDS 1539+
BIOMEDICAL ASPECTS OF RADIOFREQUENCY AND MICROWAVE RADIATION: A REVIEW OF SELECTED SOVIET, EAST EUROPEAN, AND WESTERN REFERENCES 2148
INTERNATIONAL TRENDS IN EMR BIOEFFECTS RESEARCH 2789+
TRENDS IN NONIONIZING ELECTROMAGNETIC RADIATION BIOEFFECTS RESEARCH AND RELATED OCCUPATIONAL HEALTH ASPECTS 3392+

DOERING, M.
INTEGRATING MILLIAMPERE-SECONDS METER. (FDA) 73-8004, BRH/DEP N73-1 3043+

DOLATKOWSKI, A.
STUDIES ON THE EFFECT OF MICROWAVES EMITTED BY RADAR DEVICES ON THE TESTICLES AND EPIDIDYMIDES OF RABBIT, COMMUNICATION I 2502+

DOLLE, W. C.
RESEARCH ON BIOLOGICAL EFFECTS OF VLF BAND EMR 0955

DOLMIERSKI, R.
ESTIMATION OF THE OCCURRENCE OF NEUROTIC DISORDERS IN SEA ECONOMY WORKERS EXPOSED TO THE ACTION OF EM WAVES 1164+

DOMINO, E. F.
ELEVATION IN RAT BRAIN HISTAMINE CONTENT AFTER FOCUSED MICROWAVE IRRADIATION 2591

DONALDSON, D. D.
LETTER OF COMMENT ON M. M. ZARET'S 'CATARACTS FOLLOWING USE OF MICROWAVE OVEN' 2655+
CATARACTS AND ULTRA-HIGH-FREQUENCY RADIATION 3607

DONE, J. T.
NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE 2889

DONOVAN, G. L.
ARE MICROWAVE CATARACTS THERMALLY CAUSED? 2684

DOOLEY, E. S.
ALTERED RENOPRESSOR RESPONSE-PATTERN TO ENDOTOXIN RADIATED WITH RADIO-FREQUENCY ENERGY 3475+

DOSI, K. S.
THE EFFECT OF POST-RADIATION HYPERTHERMIA ON HUMAN SKIN AND TUMOR RESPONSE 2341

DOSS, J. D.
COMBINATION RADIATION THERAPY AND LOCALIZED CURRENT FIELD HYPERTHERMIA OF SPONTANEOUS MALIGNANT NEOPLASMS OF ANIMALS. A PRECLINICAL STUDY 2329
PRELIMINARY RESULTS USING LOCALIZED CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS 2366

DOSSETOR, J. B.
APPLICATIONS OF MICROWAVE THAWING TO THE RECOVERY OF DEEP FROZEN CELLS AND ORGANS: A REVIEW 0680
MICROWAVE THAWING OF CELLS AND ORGANS 1260

DOTEUCHI, M.
FOCUSSED MICROWAVE RADIATION: A TECHNIQUE TO MINIMIZE POST MORTEM CHANGES OF CYCLIC NUCLEOTIDES, DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY 1326

DOUBEK, J.
NON-CONTACT DETERMINATION OF TEMPERATURE CHANGES IN MICE DURING MICROWAVE IRRADIATION 1695

DOUGLAS, R. M.
LONG LASTING SYNAPTIC POTENTIATION IN THE RAT DENTATE GYRUS FOLLOWING BRIEF HIGH FREQUENCY STIMULATION 2857+

DOUPLE, E. B.
CANCER THERAPY WITH LOCALIZED HYPERTHERMIA USING AN INVASIVE MICROWAVE SYSTEM. 0226+
AN INVASIVE MICROWAVE ANTENNA FOR LOCALLY-INDUCED HYPERTHERMIA FOR CANCER THERAPY. 0438

DRAGANOV, V.
THE EFFECT OF THE PULSE ULTRAHIGH FREQUENCY EM FIELD ON THE SERUM CHOLESTEROL CONTENT OF RABBITS 0693

DRAKE, C. L.
SOME BIOLOGICAL EFFECTS OF MICROWAVE ENERGY 0992

DREFFER, R.
MICROWAVES, MAGNETIC IRON PARTICLES AND LASERS AS A COMBINED TEST MODEL FOR INVESTIGATION OF HYPERTHERMIA TREATMENT OF CANCER 1619

DRINKWATER, B. L.
MAN'S PHYSIOLOGIC RESPONSE TO LONG-TERM WORK DURING THERMAL AND POLLUTANT STRESS. 2916

DRISCOLL, D.
A FIELD SURVEY OF FARMER EXPERIENCE WITH 765 KV TRANSMISSION LINES 3613

DROGICHINA, E. A.
CLINICAL SYNDROMES ARISING UNDER THE EFFECT OF VARIOUS RADIO FREQUENCY BANDS 2007+
AUTONOMIC AND CARDIOVASCULAR DISORDERS DURING CHRONIC EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS 2553+

DRONOV, I. S.
IMMUNOLOGICAL REACTIVITY OF ANIMALS IN PROLONGED IRRADIATION BY UHF RADIOWAVES 0975+
IMMUNOLOGICAL CHANGES IN IMMUNIZED ANIMALS ON LONG-TERM EXPOSURE TO SHF RADIO WAVES 0994+
ELECTROGRAPHIC DATA ON THE EFFECTS OF VERY WEAK MICROWAVES AT THE LEVEL OF THE MIDBRAIN RETICULAR FORMATION- HYPOTHALAMUS-CEREBLAR CORTEX LEVEL 1444

DROUIN, B.
PROTECTION AFFORDED BY THE METAL CAPSULE OF PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENCH) 2588

DRUCKMANN, S.
ELECTRIC FIELD EFFECTS IN BACTERIORHODOPSIN 2450

DRYDEN, J. S.
DIELECTRIC BEHAVIOUR OF METHYL PALMITATE:EVIDENCE OF RESONANCE ABSORPTION 3483+

DU CHARLAT, G.
PROTECTION AFFORDED BY THE METAL CAPSULE OF PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENCH) 2588

DUANE, N.
THE ABC'S OF BIOELECTRIC MEASUREMENTS 1337

DUANE, T. D.
EXPERIMENTAL LENTICULAR OPACITIES PRODUCED BY MICROWAVE IRRADIATIONS 0548

DUCOFF, H.
INTERACTION BETWEEN 2450-MHZ MICROWAVES AND IONIZING RADIATION IN TRIBOLIUM CONFUSUM 0035

DUDLEY, D. G.
INTERACTION BETWEEN AN ELECTROMAGNETIC PLANE WAVE AND A SPHERICAL SHELL 2959

DUFFY, E. F.
GENERAL CONSIDERATIONS IN DETERMINING THE POTENTIAL PERSONNEL RADIATION HAZARDS FROM PHASED-ARRAY RADARS ABOARD SHIPS 0944+

DUFOUR, J.
AN INTERSTITIAL DEVICE FOR MICROWAVE HYPERTHERMIA OF HUMAN TUMORS 0329

DUGIN, S. F.
EFFECTS OF ELECTRICAL STIMULATION OF VAGAI NUCLEI IN ANESTHETIZED AND UNANESTHETIZED CATS 3405+

DUHACEK, B. A.
ELECTRIC FIELD EFFECTS IN SELECTED BIOLOGIC SYSTEMS 1053

DUMANS'KIY, Y. D.
THE EFFECT OF LOW FREQUENCY ELECTRIC FIELD ON ANAPHYLACTIC SHOCK AND ANTIBODY PRODUCTION (IN RUSSIAN) 1937

DUMANSKII, I. D.
EFFECT OF ANENOSINE MONOPHOSPHORIC ACID ON OXIDATIVE PHOSPHORYLATION IN THE LIVER DURING PROLONGED EXPOSURE TO MICROWAVES (IN RUSSIAN) 1838

DUMANSKII, U. D.
STUDY OF NONIONIZING MICROWAVE RADIATION EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS 0277

DUMANSKIJ, J. D.
THE BIOLOGIC ACTION AND HYGIENIC SIGNIFICANCE OF EM FIELDS OF SUPERHIGH AND ULTRAHIGH FREQUENCIES IN DENSELY POPULATED AREAS 0889+

DUMANSKIY, Y. D.
BIOEFFECTS IN RESPONSE TO A LOW INTENSITY PULSED 9,400 MHZ MICROWAVE ELECTROMAGNETIC FIELD 0415+

BIOLOGICAL ACTION OF AN INDUSTRIAL FREQUENCY (50 HZ) ELECTRIC FIELD 0436

THE DEPENDENCE OF THE FUNCTIONAL ACTIVITY OF LIVER MITOCHONDRIA ON SUPERHIGH FREQUENCY RADIATION 1403+

HYGIENIC EVALUATION OF RADIOFREQUENCY ELECTROMAGNETIC FIELDS IN POPULATED AREAS 2943+

DUMANSKY, Y. D.
BIOLOGICAL EFFECT OF ULTRAHIGH FREQUENCY FIELDS OF VARIED INTENSITY 2870+

DUMAS, J. C.
VARIATIONS OF EXCITABILITY AND OF NERVOUS CONDUCTION UNDER THE INFLUENCE OF MICROWAVES (IN FRENCH) 0818

VARIATION OF SERUM TRYGLYCERIDES RATE UNDER THE ACTION OF EM WAVES: POWER LEVEL INFLUENCE 1129

EFFECT OF EM ENERGY ON THE FORMATION OF TRIGLYCERIDES: FREQUENCY INFLUENCE 1130

BIOLOGICAL ALTERATIONS OBSERVED UNDER MICROWAVE IRRADIATION 2290

COMPARISON OF THE EFFECT OF MICROWAVES ON THE LIPID METABOLISM OF SEVERAL MOUSE STRAINS 3404+

DUMKIN, V. N.
GLUCOCORTICOID FUNCTION OF THE ADRENALS IN RADIOWAVE SICKNESS 1443+

DUNCAN, R. I.
EMBRYONIC CHICK TIBIAE IN STEADY ELECTRIC FIELDS 0943+

DUNDERO, R.
REVIEW OF THE WORK CONDUCTED AT THE U. OF ROCHESTER–THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION IN THE DOG 1575

DUNLOP, D. W.
SENSITIVITY OF SOME PLANT MATERIAL TO MAGNETIC FIELDS 1900+

DUNN, J. G.
MICROWAVE LEAKAGE INDICATION 1148

DURFEE, W. K.
INFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, AND BEHAVIOR IN DOMESTIC BIRDS, PHASE I: CONTINUOUS WAVE 1786+

EXPOSURE OF DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS 2180+

EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS IN DOMESTIC BIRDS 3134+

DURHAM, J. P.
EFFECT OF ELECTRICAL STIMULATION OF THE AUTONOMIC NERVE SUPPLY ON THE CONCENTRATION OF GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE AND THE ACTIVITY OF GUANYLATE CYCLASE IN RAT SALIVARY GLANDS AND THEIR RELATIONSHIP TO THE INDUCTION OF GROWTH 1699+

DURHAM, T. L.
RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, II. EFFECTS ON BLOOD CELLS AND BLOOD MINERALS 0144

RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS 0199

DURNEY, C. H.
APPROXIMATE CALCULATION OF SAR FOR PLANEWAVE IRRADIATION OF MAN MODEL NEAR A GROUND PLANE 0242

AN EMPIRICAL FORMULA FOR BROAD-BAND SAR CALCULATIONS OF PROLATE SPHEROIDAL MODELS OF HUMANS AND ANIMALS 0301+

AN ELECTROMAGNETIC ENERGY COUPLER FOR MEDICAL APPLICATIONS 0305

ELECTROMAGNETIC TECHNIQUES FOR MEDICAL DIAGNOSIS: A REVIEW 0391

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES 0414

RATE EFFECTS IN ISOLATED HEARTS INDUCED BY MICROWAVE IRRADIATION 0526

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIOFREQUENCY POWER 0742

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK 0878

RATE EFFECTS IN ISOLATED TURTLE HEARTS INDUCED BY MICROWAVE IRRADIATION 1029

DISCUSSION PAPER: FIBEROPTIC LIQUID CRYSTAL PROBE FOR ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREMENT IN TISSUE DURING IRRADIATION 1103

LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF A PROLATE SPHEROID MODEL OF MAN 1174+

MEDICAL DIAGNOSTIC APPLICATIONS OF MICROWAVE RADIATION 1191

AN INVESTIGATION OF THE USE OF MICROWAVE RADIATION FOR PULMONARY DIAGNOSTICS 1241

LONG-WAVELENGTH EM POWER ABSORPTION IN PROLATE SPHEROIDAL MODELS OF MAN AND ANIMALS 1305

EM POWER ABSORPTION IN ANISOTROPIC TISSUE MEDIA 1306

LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF AN ELLIPSOIDAL MODEL OF MAN 1611

LONG-WAVELENGTH EM POWER ABSORPTION IN ELLIPSOIDAL MODELS OF MAN AND ANIMALS 1612

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIO FREQUENCY POWER 1684+

LIQUID CRYSTAL FIBEROPTIC TEMPERATURE PROBE FOR THE MEASUREMENT OF EM POWER ABSORPTION IN TISSUE 1749

MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 1778

A NONPERTURBING TEMPERATURE SENSOR FOR MEASUREMENTS IN EM FIELDS 1819

THEORETICAL CALCULATIONS OF POWER ABSORBED BY MONKEY AND HUMAN PROLATE SPHEROIDAL PHANTOMS IN AN IRRADIATION CHAMBER 2193

PERFORMANCE OF THE LCOF PROBE IN CALORIMETRIC AND TISSUE TEMPERATURE MONITORING APPLICATIONS 2201

DIAGNOSTIC APPLICATION OF MICROWAVE RADIATION IN PULMONARY MEDICINE 2202

LOW-LEVEL MICROWAVE INTERACTION WITH ISOLATED MAMMALIAN HEARTS 2446

MONITORING AND DIAGNOSIS OF PULMONARY EDEMA BY MICROWAVES: A PRELIMINARY REPORT 2463

DESCRIPTIVE SUMMARY: RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK 2735

COMPARISON OF THE AVERAGE SPECIFIC ABSORPTION RATE IN THE ELLIPSOIDAL CONDUCTOR AND DIELECTRIC MODELS OF HUMANS AND MONKEYS AT RADIO FREQUENCIES 2737

MICROWAVE RADIATION ALTERS PERISTALTIC ACTIVITY OF ISOLATED SEGMENTS OF RAT GUT 2748

MICROWAVE IRRADIATION OF THE ISOLATED RAT HEART AFTER TREATMENT WITH ANS BLOCKING AGENTS 2749

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK. 2927+

DUTT, G. C.

CONTROL OF NON-IONIZING RADIATION EMITTING DEVICES IN CANADA 2058

DUTTA, S. K.

EFFECTS OF 8.6 GHZ PULSED EMR ON AN ESCHERICHIA COLI REPAIR-DEFICIENT MUTANT. 0227+

LACK OF MICROBIAL GENETIC RESPONSE TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ PULSED MICROWAVES 0366+

DUTUIT, Y.

DIELECTRIC RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS 0041

DUYSENS, L. N.

MAGNETIC FIELD-INDUCED INCREASE OF THE YIELD OF (BACTERIO) CHLOROPHYLL EMISSION OF SOME PHOTOSYNTHETIC BACTERIA AND OF CHLORELLA VULGARIS. 0185

ON THE MAGNETIC FIELD DEPENDENCE OF THE YIELD OF THE TRIPLET STATE IN REACTION CENTERS OF PHOTOSYNTHETIC BACTERIA 2401

DVORAK, T.

MEASUREMENT OF ELECTROMAGNETIC FIELD IMMUNITY 2617+

DWIVEDI, R. S.

SOME BIOCHEMICAL AND CYTOLOGICAL OBSERVATIONS ON THE EFFECT OF NONIONIZING (MICROWAVE) RADIATION 2331+

DYAL, P.

EFFECT OF ZERO MAGNETIC FIELDS ON THE MEMBRANE BOUND ENZYME ACTIVITY 2620

DYSHLOVOY, V. D.

LOW FREQUENCY DIELECTRIC DISPERSION OF BIOLOGICAL TISSUES 0380

DZIUK, E.

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART II: FUNCTIONAL DISTURBANCES 0797

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART III: LENS TRANSLUCENCY 0798

EFFECTS OF MICROWAVES ON THE TWENTY-FOUR-HOUR RHYTHM AND TWENTY-FOUR-HOUR URINARY EXCRETION OF SEVENTEEN HYDROXYCORTICOIDS AND SEVENTEEN KETOSTEROIDS 1133

MICROWAVE RADIATION AND OTHER HARMFUL FACTORS OF WORKING ENVIRONMENT IN RADIOLOCATION: METHOD OF DETERMINATION OF MICROWAVE EFFECTS 1138

E

EAKIN, S. K.

BEHAVIORAL EFFECTS OF STIMULATION BY UHF RADIO FIELDS 0471+

EBERHART, J.

OF LIFE AND DEATH AND MAGNETISM 0706+

EBERSOL, E. T.

MICROWAVES TO SUBSTITUTE FOR DDT? 1868+

ECKER, H. A.

NEW TECHNIQUES FOR IMPLEMENTING MICROWAVE BIOLOGICAL- EXPOSURE SYSTEMS 0446

BIOMEDICAL APPLICATIONS OF EM RADIATION 1300+

SELECTIVE EM HEATING OF TUMORS IN ANIMALS IN DEEP HYPOTHERMIA 1957

DESIGN OF AN ILLUMINATION FACILITY FOR BIOLOGICAL EXPOSURE TO MICROWAVES 2433

ENHANCEMENT OF CANCER CHEMOTHERAPY BY SELECTIVE ELECTROMAGNETIC HEATING OF TUMORS 3393+

ECKERT, E. E.

SUDDEN, UNEXPECTED DEATH OF INFANTS AND EM FIELDS (IN GERMAN) 1624+

ECKERT, R.

BIOELECTRIC CONTROL OF CILIARY ACTIVITY 1919+

ECKSTEIN, H. B.

A TRIAL INVOLVING THE USE OF PULSED EM THERAPY ON CHILDREN UNDERGOING ORCHIDOPEXY 0856

EDELSACK, E. A.

MICROWAVE HEATING OF MALIGNANT MOUSE TUMORS AND TISSUE EQUIVALENT PHANTOM SYSTEMS 1116

MAGNETOCARDIOGRAMS TAKEN INSIDE A SHIELDED ROOM WITH A SUPERCONDUCTING POINT-CONTACT MAGNETOMETER 2103

EDELWEJN, Z.

OCCUPATIONAL EXPOSURE AND PUBLIC HEALTH ASPECTS OF MICROWAVE RADIATION 0898+

EXPERIMENTAL MORPHOLOGIC AND ELECTROENCEPHALOGRAPHIC STUDIES OF MICROWAVE EFFECTS ON THE NERVOUS SYSTEM 1063

PHARMACOLOGIC ANALYSIS OF MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM IN EXPERIMENTAL ANIMALS 1250

ELECTROENCEPHALOGRAPHIC STUDIES IN PERSONS EXPOSED TO MICROWAVES (PRELIMINARY REPT.) 1944+

ELECTROENCEPHALOGRAPHIC AND MORPHOLOGICAL INVESTIGATIONS ON THE INFLUENCE OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM 1945

STUDIES ON THE COMBINED EFFECT OF MICROWAVES AND SOME DRUGS ON BIOELECTRIC ACTIVITY OF THE RABBIT CENTRAL NERVOUS SYSTEM 1946

ATTEMPT AT EVALUATION OF THE FUNCTIONAL STATE OF BRAIN SYNAPSES IN RABBITS EXPOSED CHRONICALLY TO THE ACTION OF MICROWAVES 1947+

INVESTIGATION OF THE EFFECT OF IRRADIATION CONDITIONS ON THE NERVOUS SYSTEM OF PERSONS WORKING WITHIN THE REACH OF MICROWAVES 2008+

EDEN, W. M.

MICROWAVE OVEN REPAIR: HAZARD EVALUATION 0774+

REPAIRMEN OF MICROWAVE SOURCES
3186+

EDLINSKIY, I. B.

CHANGES IN SOME BLOOD TRACE ELEMENTS IN PATIENTS AND ACUTE THROMBOPHLEBITIS OF THE LOWER EXTREMITIES UNDER THE INFLUENCE OF A CONSTANT MAGNETIC FIELD
2479+

EDMONDS, E.

A SURVEY OF RESIDENTIAL AND COMMMERCIAL MICROWAVE OVENS IN ORANGE COUNTY, CALIF.
0683+

EDRICH, J.

HUMAN MAGNETIC AUDITORY EVOKED FIELDS.
0187

CENTIMETER AND MILLIMETER-WAVE THERMOGRAPHY - A SURVEY ON TUMOR DETECTION.
0229+

MILLIMETER-WAVE THERMOGRAPHY: APPLICATION TO BREAST CANCER.
0234

MILLIMETER-WAVE THERMOGRAPHY: PRELIMINARY CLINICAL FINDINGS IN HEAD AND NECK DISEASES
0271

COMPLEX PERMITTIVITY AND PENETRATION DEPTH OF MUSCLE AND FAT TISSUES BETWEEN 40 AND 90 GHZ
1234+

MICROWAVE ABSORPTION OF LIVING HUMAN SKIN BETWEEN 8 AND 96 GHZ
1690+

THERMOGRAPHIC IMAGING AT MILLIMETER AND CENTIMETER WAVELENGTHS
1691+

THERMOGRAPHY AT MILLIMETER WAVELENGTHS
1696+

MILLIMETER WAVE THERMOGRAPH AS SUBCUTANEOUS INDICATOR OF JOINT INFLAMMATION
2411+

THE HUMAN MAGNETOENCEPHALOGRAM: SOME EEG AND RELATED CORRELATIONS
2462

COMPLEX PERMITTIVITY AND PENETRATION DEPTH OF CERTAIN BIOLOGICAL TISSUE BETWEEN 40 AND 90 GHZ.
3243+

EDWARDS, M. J.

NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE
2889

CONGENITAL MALFORMATIONS IN THE RAT FOLLOWING INDUCED HYPERTHERMIA DURING GESTATION.
2917+

THE EFFECTS OF HYPERTHERMIA ON PREGNANCY AND PRENATAL DEVELOPMENT.
2929+

EDWARDS, S.

COMBINATION RADIATION THERAPY AND LOCALIZED CURRENT FIELD HYPERTHERMIA OF SPONTANEOUS MALIGNANT NEOPLASMS OF ANIMALS. A PRECLINICAL STUDY
2329

EDWARDS, W. D.

RETARDED TUMOR GROWTH AND GREATER LONGEVITY IN MICE AFTER FETAL IRRADIATION BY 2450-MHZ MICROWAVES
0026

EDWARDS, W. P.

THE EFFECT OF ENVIRONMENTAL TEMPERATURE AND AVERAGE DOSE RATE OF MICROWAVE RADIATION ON THE OXYGEN-CONSUMPTION RATE OF MICE
0369

RF CAVITY IRRADIATION DOSIMETRY
0997+

CHANGE IN AVERAGE ABSORBED DOSE RATE OF A GROUP OF MICE UNDER REPEATED EXPOSURE TO 915 MHZ MICROWAVE RADIATION
2672

OXYGEN-CONSUMPTION RATE OF MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION
2745

DOSE RATE AND OXYGEN CONSUMPTION RATE IN MICE CONFINED IN A SMALL HOLDER DURING EXPOSURE TO 2450 MHZ MICROWAVE RADIATION
2821

OXYGEN-CONSUMPTION RATE OF MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION.
2900

DOSE RATE RELATED EFFECTS ON THE OXYGEN CONSUMPTION OF MICE DURING AND AFTER MICROWAVE IRRADIATION.
2910

EDWARDS, W. S.

PRELIMINARY RESULTS USING LOCALIZED CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS
2366

EFFERT, S.

GALLOPING OF PACEMAKER DURING HIGH-FREQUENCY THERAPY (IN GERMAN)
2586+

EGAN, W. G.

EYE PROTECTION IN RADAR FIELDS
0579+

EGOROV, I. A.

EFFECT OF A HIGH-INTENSITY MAGNETIC FIELD ON ENZYMATIC HYDROLYSIS OF NUCLEIC ACIDS
1558

EIBEL, P.

INFECTION HAZARD OF RADIO IN THE OR
0689+

EICHERT, E. S.

TOWARDS A MODEL OF THE ELECTROSENSORY SYSTEM IN THE FISH
0612+

THE NATURE OF ELECTROSENSING IN THE FISH
1038

HUMAN AUDITORY SYSTEM RESPONSE TO LOWER POWER DENSITY, PULSE MODULATED, EM ENERGY: A SEARCH FOR MECHANISMS
1135+

EINAUDI, F.

SHIELDING OF ELECTROMAGNETIC WAVES BY A SPHERICAL SHELL.
3357+

EINOLF, C. W.

LOW-FREQUENCY DIELECTRIC DISPERSION IN SUSPENSIONS OF ION-EXCHANGE RESINS
1852+

PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS IV. STUDIES OF THE PROTOPLASTS OF MICROCOCCUS LYSODEIKTICUS
1916+

PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS V. LOW-FREQUENCY DIELECTRIC DISPERSION OF BACTERIA
1917+

EISENBUD, M.

BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY
1685

PRELIMINARY RESULTS OF STUDIES OF THE LENTICULAR EFFECTS OF MICROWAVES AMONG EXPOSED PERSONNEL
1924

EKSTROM, M. E.

BIOLOGICAL EFFECTS OF RADIO FREQUENCY WAVES
0309

CONTINUOUS EXPOSURE OF RODENTS TO 10 TO THE 8TH POWER PULSES OF EMR
0826

BIOLOGICAL MEASUREMENTS IN RODENTS EXPOSED CONTINUOUSLY THROUGHOUT THEIR ADULT LIFE TO PULSED EMR
1167

EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMPTION AND BLOOD METABOLITE ALTERATIONS
1787

ELDER, J. A.

EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS REPORT
0257

THE EFFECT OF MICROWAVES (2450 MHZ) ON ISOLATED RAT LIVER MITOCHONDRIA
1076+

MEASURE OF ENZYMATIC ACTIVITY COINCIDENT WITH 2450 MHZ MICROWAVE EXPOSURE
1323

A COAXIAL AIR LINE MICROWAVE EXPOSURE SYSTEM: RESPIRATORY ACTIVITY OF MITOCHONDRIA IRRADIATED AT 2-4 GHZ
2175+

THE EFFECT OF MICROWAVE RADIATION (2450 MHZ) ON THE MORPHOLOGY AND CHROMOSOMES OF LYMPHOCYTES
2751

EXPOSURE OF RATS IN UTERO THROUGH EARLY LIFE TO 2450 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES.
2902

EXPOSURE OF RATS TO 425 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES.
2903

BIOLOGICAL EFFECTS OF NON-IONIZING RADIATION.
2908+

THE EFFECTS OF MICROWAVE (2450) MHZ ON ISOLATED RAT LIVER MITOCHONDRIA 3554+

ELDER, R. L.
DEVELOPMENT OF REGULATORY PROGRAMS UNDER THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 0472+

RADIATION EXPOSURE FROM INDUSTRIAL MICROWAVE APPLICATIONS 0686

RADIATION LEAKAGE CONTROL OF INDUSTRIAL MICROWAVE POWER DEVICES 0788+

EMR INTERFERENCE WITH CARDIAC PACEMAKERS 0792

OCCUPATIONAL EXPOSURE AND PUBLIC HEALTH ASPECTS OF MICROWAVE RADIATION 0898

ELDER, S. T.
ABSENCE OF OCULAR PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES. 0174

MICROWAVE IRRADIATION, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS 2347

ELERSIECK, M. R.
RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, II. EFFECTS ON BLOOD CELLS AND BLOOD MINERALS. 0144+

ELEY, D. D.
MICROWAVE HALL MOBILITY MEASUREMENTS ON HEAVY BEEF HEART MITOCHONDRIA 0684+

ELFIMOV, E. I.
EFFECT OF MAGNETIC FIELD ON THE RECOMBINATION FLUORESCENCE OF PHOTOSYNTHETIC BACTERIA (IN RUSSIAN) 0032

ELIAS, E. G.
SELECTIVE TUMOR HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY. 0364

ELIAS, J.
SELECTIVE TUMOR HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY. 0364

ELKINS, E. C.
THE EFFECTS OF DIATHERMY ON THE FLOW OF BLOOD IN THE EXTREMITIES 0656

ELLE, D. R.
APPLICATION OF NONTHERMAL EFFECTS IN HIGH DIELECTRIC MATERIALS TO MICROWAVE DOSIMETRY 1747

ELLENA, O.
LONG-TERM CONTROL OF MYOCARDIAL THRESHOLD MEASURED BY MEANS OF A RADIOFREQUENCY SYSTEM (RADIOCOR) DESIGNED FOR IMPLANTATION IN SERIES WITH ANY KIND OF PACEMAKER (IN ITALIAN) 2078

ELLENSON, J. L.
THE ELECTROPHOTOLUMINESCENCE OF CHLOROPLASTS. 3266+

ELLERSIECK, M. R.
RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS. 0199

ELLINGSON, O. L.
MEASUREMENTS OF THE RADIATION EMISSIONS FROM THE NUVELITE DENTAL APPLIANCE 3624

ELLIOTT, R. S.
NORMAL TISSUE & SOLID TUMOR EFFECTS OF HYPERTHERMIA IN ANIMAL MODELS AND CLINICAL TRIALS. C190

ELLIS, R. L.
BIOMEDICAL ASPECTS OF NONIONIZING RADIATION: AN OVERVIEW OF THE NWL EFFORT 0827

ELMQVIST, H.
PACEMAKERS AND EXTERNAL INTERFERENCE 2009+

ELY, T.
FIELD TRIAL OF RICHARDSON MICROWAVE DOSIMETER 1568+

ELY, T. S.
HEATING CHARACTERISTICS OF LAB. ANIMALS EXPOSED TO TEN-CENTIMETER MICROWAVES 0473+

MICROWAVE DEATH 0685+

CONTROL OF OCCUPATIONAL EXPOSURE TO NON-IONIZING RADIATION 2220+

EM COM. ANAL. CEN. DOD.
METROPOLITAN RADIATION HAZARDS (II) 2989+

METROPOLITAN RADIATION HAZARDS 3RD 2997+

EMEL'YANOV, V. B.
CALCULATION OF THE DISTRIBUTION FUNCTION FOR THE DIAMETERS OF THIN-WALLED SPHERES ON THE BASIS OF EMR SCATTER DATA 1475

EMERLE, E.
PACEMAKER TESTING CONSIDERATIONS AND TECHNIQUES 2273

EMERY, A.
MECHANISM OF MICROWAVE CATARACTOGENESIS IN RABBITS 2150

EMERY, A. F.
EM POWER DEPOSITION IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PHYSIOLOGIC CONSEQUENCES 0811

THE OCCULAR EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE CATARACTOGENIC MECHANISMS 1068

STUDY OF THE EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON RABBITS 1127

ACUTE MICROWAVE IRRADIATION AND CATARACT FORMATION IN RABBITS AND MONKEYS 1128

MICROWAVE INDUCED TEMPERATURE RISES IN RABBIT EYES IN CATARACT RESEARCH 1271+

HIGH FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIALS 1293

EFFECT OF 2450-MHZ RADIATION ON THE RABBIT EYE 1301

QUANTITATION OF MICROWAVE RADIATION EFFECTS ON THE EYES OF RABBITS AT 2450 MHZ AND 918 MHZ 1858

MEASUREMENT OF ABSORBED POWER PATTERNS IN THE HEAD AND EYES OF RABBITS EXPOSED TO TYPICAL MICROWAVE SOURCES 1864

THE NUMERICAL THERMAL SIMULATION OF THE HUMAN BODY WHEN ABSORBING NON-IONIZING MICROWAVE IRRADIATION--WITH EMPHASIS ON THE EFFECT OF DIFFERENT SWEAT MODELS 2191+

THEORETICAL AND EXPERIMENTAL STUDI&S OF MICROWAVE INDUCED CATARACTS IN RABBITS 2386

EMLEN, S. T.
MAGNETIC DIRECTION FINDING: EVIDENCE FOR ITS USE IN MIGRATORY INDIGO BUNTINGS 2106+

EMMA, Y. S.
ELECTRICAL FIELD AS A PARAMETER CONSIDERED IN DESIGNING ELECTRIC POWER TRANSMISSION OF 750-1150 KV: THE MEASURING METHODS, THE DESIGN PRACTICES AND DIRECTION OF FURTHER RESEARCH 3587

ENANDER, B.
MICROWAVE RADIOMETRIC MEASUREMENTS OF THE TEMPERATURE INSIDE A BODY 2414+

ENGEL, J.
SOFT TISSUE STRETCHING WITH MAGNETS 3407+

ENGLAND, T. S.
DIELECTRIC PROPERTIES OF THE HUMAN BODY FOR WAVE-LENGTHS IN THE 1-10 CM. RANGE 0474+

DIELECTRIC PROPERTIES OF THE HUMAN BODY IN THE MICROWAVE REGION OF THE SPECTRUM 0475+

ENGLE, M. E.
THE EFFECT OF MICROWAVE RADIATION (2450 MHZ) ON THE MORPHOLOGY AND CHROMOSOMES OF LYMPHOCYTES 2751

ENGLE, R. P.
A CASE OF PROLONGED, REVERSIBLE DEMENTIA ASSOCIATED WITH ABUSE OF ELECTROCONVULSIVE THERAPY 1311

ENNEVER, J. A.
THE CORNEO-RETINAL POTENTIAL AS THE GENERATOR OF ALPHA RHYTHM IN THE HUMAN ELECTROENCEPHALOGRAM 0731+

ENVALL, K. R.
MEASUREMENT OF E[illegible] LEVELS FROM SELECTED TRANSMITTERS OPERATING BETWEEN 54 AND 220 MHZ IN THE LAS VEGAS, NEVADA, AREA 2802+

EPSTEIN, D. L.
POSSIBLE CATARACTOGENIC EFFECTS OF RADIOFREQUENCY RADIATION 1313

EVALUATION OF POSSIBLE MICROWAVE-INDUCED LENS CHANGES IN THE UNITED STATES AIR FORCE 1381

EPSTEIN, M. A.
THE EFFECTS OF MICROWAVES ON THE ROUS NO. 1 FOWL SARCOMA VIRUS 2503+

THE INTERACTION OF STATIC AND ALTERNATING ELECTRIC FIELDS WITH BIOLOGICAL SYSTEMS 3605+

ER'IGIN, G. D.
EFFECT OF A HIGH-INTENSITY MAGNETIC FIELD ON ENZYMATIC HYDROLYSIS OF NUCLEIC ACIDS 1558

ERHARDT, W.
EXPERIMENTAL STUDIES ON THE USE OF MICROWAVE FOR THE LOCALIZED HEAT TREATMENT OF THE PROSTRATE. 0268

ERICKSON, E. E.
A STUDY OF THE FEASIBILITY OF STIMULATING NEURONS BY ELECTROMAGNETIC WAVES 2554+

ERIKSSON, C.
EFFECTS OF SMALL ELECTRICAL CURRENTS ON COLLAGEN IN SOLUTION 0854+

ELECTRICAL PROPERTIES OF WET COLLAGEN 2089

PRELIMINARY CLINICAL EVALUATION OF THE EFFECT OF SMALL ELECTRICAL CURRENTS ON THE HEALING OF JAW FRACTURES 2780

ERIKSSON, M.
INCREASED CEREBROSPINAL FLUID LEVELS OF ENDORPHINS AFTER ELECTRO-ACUPUNCTURE 1189

ERIKSSON, M. B.
LONG TERM RESULTS OF PERIPHERAL CONDITIONING STIMULATION AS AN ANALGESIC MEASURE IN CHRONIC PAIN. 0143+

EROSHENKO, V. M.
A MICRORADIOMETER FOR STUDYING HIGH-INTENSITY RADIATION FIELD STRUCTURES 1708

ERSHOVA, L. K.
STUDY OF NONIONIZING MICROWAVE RADIATION EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS 0277

ESCANYE, J. M.
MILLIMETER-WAVE THERMOGRAPHY: PRELIMINARY CLINICAL FINDINGS IN HEAD AND NECK DISEASES 0271

ESCHER, D. J.
THE PACEMAKER PATIENT AND THE EM ENVIRONMENT 1025

ESPOSITO, J. M.
THE LAPAROSCOPIST AND ELECTROSURGERY 1648+

ESSER, G.
INVESTIGATION OF AN ASSUMED SYNERGISTIC EFFECT OF RADIO FREQUENCY RADIATION AND IONIZING RADIATION ON THE HUMAN ORGANISM 0228+

ETIENNE, J.
SYNCHRONIZATION OF CORTICAL NEURONS BY A PULSED MICROWAVE FIELD AS EVIDENCED BY SPECTRAL ANALYSIS OF ELECTROCORTICOGRAMS FROM THE WHITE RAT 1061

EURE, J. A.
RADIATION EXPOSURE FROM INDUSTRIAL MICROWAVE APPLICATIONS 0686+

RADIATION LEAKAGE CONTROL OF INDUSTRIAL MICROWAVE POWER DEVICES 0788

EVERTS, J.
ANNUAL REPORT OF THE EASTERN ENVIRONMENTAL RADIATION LABORATORY, JAN.- DEC. 1970 2955+

CYTOGENETIC EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS 3056+

EWING, D. R.
THE POPULATION WITHIN VARIOUS DISTANCES OF SELECTED RADIO AND TELEVISION STATIONS 3497+

THE DISTRIBUTION OF THE POPULATION OF THE CONTINENTAL UNITED STATES, CANADA AND MEXICO WITHIN VARIOUS DISTANCES FROM 1361 TELEVISION MARKET CENTERS 3498

COMPUTER ACCESS TO GEOGRAPHIC DISTRIBUTION OF THE POPULATION 3521+

EWY, G. A.
DEFIBRILLATION 1880

EZELL, C. S.
A PRIMATE RESTRAINT CHAIR FOR USE IN MICROWAVE RADIATION STUDIES 1218

F

FABER, M.
OVERVIEWS ON NONIONIZING RADIATION 2021

FADEN, J.
EXPERIMENTAL AND THEORETICAL DETERMINATION OF ABSORBED MICROWAVE DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS IRRADIATED BY AN APERTURE SOURCE 2590

FAGO, E. T.
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3466

FAHIM, M.
ENHANCEMENT OF IONIZING RADIATION EFFECT ON THE TESTES OF RATS BY MICROWAVE OR ULTRASOUND-INDUCED HYPERTHERMIA. 0125

FAHIM, M. S.
HEAT IN MALE CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROWAVE, AND ULTRASOUND) 0932+

FAHIM, Z.
HEAT IN MALE CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROWAVE, AND ULTRASOUND) 0932

FAITEL'BERG-BLANK, V. R.
CHANGE IN THE PROCESSES OF TRANSAMINATION IN THE TISSUES OF THE LIVER AND SMALL INTESTINE OF RATS UNDER THE ACTION OF HIGH FREQUENCY ELECTROMAGNETIC FIELDS. 0231+

FALK, G.
TUMOR ERADICATION BY RADIOFREQUENCY THERAPY 0741

FALTER, S. L.
RADIO INFLUENCE VOLTAGE CHARACTERISTICS OF TRANSMISSION LINE ASSEMBLIES USING SEMI-CONDUCTING GLAZED INSULATORS 3105+

FANNEY, J. H.
FIELD MEASUREMENT OF ULTRAVIOLET, INFRARED, AND MICROWAVE ENERGIES 0687+

FANSLOW, G. E.
OVICIDAL LEVELS OF 2.45 GHZ EM ENERGY FOR THE SOUTHERN CORN ROOTWORM 1126+

A LIQUID CRYSTAL CALORIMETER FOR RADIATION MONITORING 1143+

LIQUID CRYSTAL ELECTROMAGNETIC RADIATION MONITOR 2375+

FANTE, R. L.
PROPAGATION OF EM WAVES IN MEDIA WHICH VARY SLOWLY WITH POSITION AND TIME 0729+

FARDON, J. C.
CELLULAR RESPIRATION IN INTERMITTENT MAGNETIC FIELDS 2117

FARRER, D. N.
PRIMATE PERFORMANCE ASSESSMENT FOLLOWING 3.2-GHZ EXPOSURES 0740+

FASTENMEIER, K.
ELECTRICAL ASPECTS OF TRANSURETHRAL RESECTION OF PROSTATE WITH HIGH-FREQUENCY CURRENTS (IN GERMAN) 2642

FASTYKOVSKIY, A. D.
EFFECT OF A UHF FIELD ON THE COURSE OF HYPERTENSIVE DISEASE 1507+

FAYTEL'BERG-BLANK, V. R.
THE DYNAMICS OF THE IMPULSE ACTIVITY OF NEURONS OF THE POSTERIOR SECTION OF THE HYPOTHALAMUS UNDER THE INFLUENCE OF MICROWAVES. 0230+

FAYTEL'BERH-BLANK, V.
EFFECT OF DIFFERENT DOSES OF CENTIMETER ELECTROMAGNETIC OSCILLATIONS ON BIOCHEMILUMINESCENCE OF THE CNS AND LIVER TISSUES (IN UKR) 0071+
SELECTIVE ACTION OF DECIMETER WAVES ON CENTRAL BRAIN STRUCTURES 0072+
CHANGES IN TRANSAMINATION PROCESSES IN THE TISSUES OF LIVER AND THE SMALL INTESTINE OF RATS EXPOSED TO HIGH FREQUENCY ELECTROMAGNETIC FIELDS. (IN RUS.). 0146+
ABSORPTIVE ACTIVITY OF STOMACH AND INTESTINE UNDER THE INFLUENCE OF A UHF ELECTRIC FIELD 1856+

FAYTEL'BERH-BLANK, V. R.
PERMEABILITY OF THE MUCOUS MEMBRANE OF THE FRONTAL SINUS UNDER THE INFLUENCE OF MICROWAVES 1302+
CHANGES IN THE PERIPHERAL BLOOD OF GUINEA PIGS INDUCED BY A THREE CENTIMETER EM FIELD 1488
THE EFFECTS OF A COMBINATION OF MICROWAVES AND X-RAYS ON THE PERMEABILITY OF HISTO-HEMATIC BARRIERS 1489+
EFFECTS OF EXPERIMENTAL TOXIC HEPATITIS AND MICROWAVES ON THE FUNCTION OF HEPATIC AND RENAL MITOCHONDRIA 1503+
EFFECTS OF MICROWAVES ON THE FUNCTION AND STRUCTURE OF HEPATIC AND RENAL MITOCHONDRIA 1511+
ABSORPTION OF RADIOPHOSPHORUS ACROSS THE SYNOVIAL MEMBRANE OF THE KNEE JOINT UNDER THE INFLUENCE OF SINUSOIDAL MODULATED CURRENT PULSES 2045+
STREPTOMYCIN RESORPTION FROM THE PLEURA UNDER THE EFFECT OF INDUCTOTHERMY CURRENTS (IN UKRAINIAN) 2599
SELECTIVE ACTION OF DECIMETER WAVES ON CENTRAL STRUCTURES OF THE BRAIN 2793+

FEDERAL AVIATION ADM.
RECOMMENDED RADIATION SAFETY PRECAUTIONS FOR AIRBORNE WEATHER RADAR 3071+

FEDEROVA, I. S.
CALCULATION OF THE DISTRIBUTION FUNCTION FOR THE DIAMETERS OF THIN-WALLED SPHERES ON THE BASIS OF EMR SCATTER DATA 1475+

FEHRINGER, D. J.
APPLICATION OF NONTHERMAL EFFECTS IN HIGH DIELECTRIC MATERIALS TO MICROWAVE DOSIMETRY 1747

FEIL, M. J.
AN EVALUATION OF EMC PERFORMANCE OF PULSE-DOPPLER RADAR SYSTEMS 3512

FELD, S. R.
AVOIDANCE BY RATS OF ILLUMINATION WITH LOW POWER NONIONIZING EM ENERGY 0914
NEURAL FUNCTION AND BEHAVIOR: DEFINING THE RELATIONSHIP 1095

FELDMAN, K. L.
NONIONIZING ELECTROMAGNETIC RADIATION 2795+
RADIOLOGICAL QUALITY OF THE ENVIRONMENT (CHAPTER 13, NONIONIZING ELECTROMAGNETIC RADIATION 3136+

FELDTMAN, R. W.
HUMAN SKIN BURNS INDUCED BY DEFIBRILLATOR DEFAULT CURRENT 1873

FELLOWES, O. N.
SELECTIVE EFFECT OF EM ENERGY ON VIRUSES 2504+
THE EFFECT OF EM CONTROLLED ENERGY ON VIRUSES IN HUMAN BLOOD 2515

FELTEN, R. P.
THE EFFECT OF REPETITIVE PRENATAL LOW-LEVEL MICROWAVE EXPOSURE ON DEVELOPMENT IN THE RAT 2677

FENN, J. E.
EFFECT OF PULSED EM ENERGY (DIAPULSE) OF EXPERIMENTAL HEMATOMAS 1828+

FEOLA, J. M.
EFFECTS OF IODOACETAMIDE, X-RAYS, AND MAGNETIC FIELDS ON LYMPHOMA CELS IN VIVO 2332+

FERGUSON, D.
EFFECTS OF SUPER-HIGH-FREQUENCY RADIO CURRENT ON HEALTH OF MEN EXPOSED UNDER SERVICE CONDITIONS 0603

FERRI, E. S.
USE OF A DIELECTRIC LENS FOR EXPERIMENTAL MICROWAVE IRRADIATION OF THE EYE 1067
ASSESSING MICROWAVES AS A HAZARD TO THE EYE–PROGRESS AND PROBLEMS 1257
CHRONIC LOW-LEVEL EXPOSURE OF RABBITS TO MICROWAVES 2156+
A STUDY OF THE EFFECTS OF MICROWAVE IRRADIATION OF THE RAT TESTES 2185
HEAT-INVOKED CHANGES IN ASCORBIC ACID LEVELS IN THE RABBIT EYE 2685+

FERRI, S.
ON THE MODIFICATIONS INDUCED BY SHORT WAVES ON THE PERIPHERAL CIRCLE (STUDY OF NORMAL SUBJECTS) 1925+

FERRIS, C. D.
INSTRUMENTATION TECHNIQUES FOR MEASURING THE EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON INSECTS IN MOTION 1674+
PEARL CHAIN FORMATION ACROSS RADIO FREQUENCY FIELDS 1730
ORIENTATION OF MICROORGANISMS BY EM FIELDS: THEORY AND EXPERIMENT 1746+

FERRY, M.
PROTECTION AFFORDED BY THE METAL CAPSULE OF PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENCH) 2588

FESENKO, L. D.
INFLUENCE OF AN ELECTRIC FIELD OF COMMERCIAL FREQUENCY AND DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MOLYBDENUM AND IRON IN THE ORGANISMS OF LABORATORY ANIMALS 2808

FETTER, R. W.
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3573

FIELD, S. B.
A MICROWAVE HEATING SYSTEM FOR IMPROVING TEMPERATURE UNIFORMITY IN HEATED TISSUE. 0238

FIELDS, R. W.
ELECTRICAL ENHANCEMENT OF HEALING IN COMBAT INJURIES TO HARD AND SOFT TISSUES 1428

FIENI, D. O.
METROPOLITAN RADIATION HAZARDS 2973+

METROPOLITAN RADIATION HAZARDS II (METRO RAD-HAZ II)
3615+

FIL'TS, M. A.

VASCULAR CHANGES IN ANTERIOR SEGMENT OF THE EYE IN WORKERS SUBJECTED TO THE ACTION OF LOCAL VIBRATION AND HIGH-FREQUENCY EMR (IN RUSSIAN)
2073

FILATOVS, J.

THERMAL AND ELECTRONIC CONTRIBUTIONS TO SWITCHING IN MELANINS
1616+

FINCH, E. D.

MICROWAVE HEARING: EVIDENCE FOR THERMOACOUSIC AUDITORY STIMULATION BY PULSED MICROWAVES
0477

BIBLIOGRAPHY ON THE HAZARDS OF ARTIFICIAL CARDIAC PACEMAKER EXPOSURE TO RADIO FREQUENCY FIELDS AND ELECTRIC SHOCK
0527

EXAMINATION OF THE CORNEA FOLLOWING EXPOSURE TO MICROWAVE RADIATION
0663

LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN THE SHAPE AND MOTILITY OF AMOEBAS
0813

AN EXAMINATION OF REGENERATING HEPATIC TISSUE FOLLOWING IN VIVO EXPOSURE TO R. F. RADIATION
0867

ULTRASTRUCTURAL CHANGES IN THE RABBIT LENS INDUCED BY MICROWAVE RADIATION
1069

ASCORBIC ACID CHANGES IN CULTURED RABBIT LENSES AFTER MICROWAVE IRRADIATION
1070

EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON BEHAVIORAL BASELINES
1094

AN EXAMINATION OF REGENERATING HEPATIC TISSUE SUBJECTED TO RADIO-FREQUENCY IRRADIATION
1270

GAMMA GLOBULIN, ACETYLCHOLINESTERASE, AND CHYMOTRYPSIN FOLLOWING RADIOFREQUENCY IRRADIATION
1983+

AN EXAMINATION OF CERTAIN BLOOD SERUM CONSTITUENTS IN THE RAT FOLLOWING MICROWAVE IRRADIATION
1984

ANALYSIS OF REPORTED PHYSIOLOGIC EFFECTS OF MICROWAVE RADIATION
1985

FINE, H.

DEVELOPMENT OF VHF AND UHF PROPAGATION CURVES FOR TV AND FM BROADCASTING
3523

FINK, G.

IMMUNOREACTIVE LUTEINIZING HORMONE RELEASING FACTOR IN PITUITARY STALK BLOOD FROM FEMALE RATS: SEX STEROID MODULATION OF RESPONSE TO ELECTRICAL STIMULATION OF PREOPTIC AREA OR MEDIAN EMINENCE
0635

FINNEY, W. G.

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZARDS AND EFFECTS
3009

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCULATION
3010

FINSY, R.

MEASUREMENT OF COMPLEX PERMITTIVITY OF LIQUIDS AT FREQUENCIES FROM 5 TO 40 GHZ
3231

FISCHER, F.

STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES
1469+

REVIEW OF THE WORK CONDUCTED AT U. OF BUFFALO--STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES
1576+

THERMAL EFFECTS OF 200 MEGACYCLE(CW) IRRADIATION AS RELATED TO SHAPE, LOCATION AND ORIENTATION IN THE FIELD
3316

FISCHER, G.

POSSIBLE INFLUENCE OF ATMOSPHERIC ELECTRICITY ON WELL-BEING (IN GERMAN)
1627

THE DEVELOPMENT OF METHYLCHOLANTHRENE-INDUCED TUMORS IN MICE UNDER THE ENVIRONMENTAL INFLUENCE OF VARIOUS ELECTROBIOCLIMATOLOGICAL CONDITIONS (IN GERMAN)
2702

INVESTIGATIONS ON THE EFFECT OF AN ELECTROSTATIC FIELD FREE OF RESIDUAL WAVES ON THE MOTILITY OF THE MOUSE (IN GERMAN)
2703+

FISCHER, J. R.

OXIDATION OF AMINO ACIDS BY SINGLET OXYGEN: I. COMPARISON OF DYE SENSITIZED PHOTOOXIDATION AND MICROWAVE GENERATED SINGLET OXIDATION
2046+

FISCHER, R.

HEALTH CONDITION OF WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION
3193

FISCHER, R. P.

THE NATURAL HISTORY OF ELECTRICAL INJURY
2535

FITZPATRICK, P. J.

FURTHER EXPERIENCE WITH HALF BODY RADIOTHERAPY
2333+

FLACHENECKER, G.

ELECTRICAL ASPECTS OF TRANSURETHRAL RESECTION OF PROSTATE WITH HIGH-FREQUENCY CURRENTS (IN GERMAN)
2642+

FLANIGAN, W. F.

NONMETALLIC ELECTRODE SYSTEM FOR RECORDING EEG AND ECG IN ELECTROMAGNETIC FIELDS
1163+

FLEMING, H.

EFFECT OF HIGH-FREQUENCY FIELDS ON MICRO-ORGANISMS
1899+

FLEMING, J.

THE EFFECT OF 2450 MHZ MICROWAVE IRRADIATION ON THE GROWTH OF MICE
0808

MICROWAVE RADIATION IN RELATION TO BIOLOGICAL SYSTEMS AND NEURAL ACTIVITY
3603+

FLEMING, J. D.

ANNUAL PROGRESS REPT.-1958, INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION
0543

ANNUAL REPT., 1959: THE NEURAL EFFECTS OF MICROWAVE IRRADIATION
0610

NEURAL EFFECTS OF MICROWAVE RADIATION
1465

FLETCHER, K.

THIN FILM SPHERICAL BOLOMETER FOR MEASUREMENT OF HAZARDOUS FIELD INTENSITIES FROM 0.4 TO 40 GHZ
3297+

FLYNN, R. J.

EXENCEPHALIA: ITS OCCURRENCE IN UNTREATED MICE
2884+

FOERSTNER, R. A.

COMPUTATION OF PERSONNEL EXPOSURE IN MICROWAVE LEAKAGE FIELDS AND COMPARISON WITH PERSONNEL EXPOSURE STANDARDS
2392

FOFANOV, P. N.

HEMODYNAMIC CHANGES IN INDIVIDUALS WORKING UNDER MICROWAVE IRRADIATION
2010+

FOLEY, E. D.

MEASUREMENT OF ELECTRIC- AND MAGNETIC-FIELD STRENGTHS FROM INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALERS
0402

INDUCTION OF TERATOGENIC EFFECTS IN RATS BY 27.12 MHZ RF RADIATION
2898

FOLLIS, R. H.

STUDIES ON THE BIOLOGICAL EFFECT OF HIGH FREQUENCY RADIO WAVES (RADAR)
0476+

STUDIES ON THE BIOLOGICAL EFFECT OF HIGH FREQUENCY RADIO WAVES (RADAR)
3330+

FONAREV, G. A.

EVIDENCE THAT GEOMAGNETIC VARIATIONS CAN BE DETECTED BY LORENZINIAN AMPULLAE
0404

FONTAGES, R.

PRELIMINARY STUDY OF THE CUMULATIVE EFFECT OF MICROWAVE RADIATION (2,450 MHZ) ON THE IMMUNE RESPONSE OF THE MOUSE 0312

FORD, G. E.

EVALUATION OF EFFECTS OF THE MICROWAVE OVEN (915 AND 2450 MHZ) AND RADAR (2810 AND 3050 MHZ) EMR ON NONCOMPETITIVE CARDIAC PACEMAKERS 0450

FORMANEK, J.

HEALTH CONDITION OF WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION 3193

FORMANEK, V. C.

COUPLING AND CORONA EFFECTS RESEARCH PLAN FOR TRANSMISSION LINES 1890

ELF EM FIELD EFFECTS ON LIFE FORMS--BIBLIOGRAPHY 2253+

AN IMPROVED ELF ELECTRIC FIELD PROBE 2988+

FOSTER, K. R.

TEMPERATURE PROFILES IN SPHERES DUE TO ELECTROMAGNETIC HEATING 0250

RF-FIELD INTERACTIONS WITH BIOLOGICAL SYSTEMS: ELECTRICAL PROPERTIES AND BIOPHYSICAL MECHANISMS 0393

DIELECTRIC PROPERTIES OF BRAIN TISSUE BETWEEN 0.01 AND 10 GHZ 0416+

MICROWAVE HEARING: EVIDENCE FOR THERMOACOUSIC AUDITORY STIMULATION BY PULSED MICROWAVES 0477+

EFFECT OF SURFACE COOLING AND BLOOD FLOW ON THE EM HEATING OF TISSUE 2451

THE ELECTRICAL RESISTIVITY OF AQUEOUS CYTOPLASM 2540+

MICROWAVE DIELECTRIC PROPERTIES OF TISSUE 2770

EFFECT OF DMSO ON THE DIELECTRIC PROPERTIES OF CANINE KIDNEY TISSUE 2847+

FOSTER, M. R.

MICROWAVE IRRADIATION DESIGN USING DIELECTRIC LENSES 1697

MICROWAVE IRRRADIATION APPARATUS DESIGN AND DOSIMETRY 2213

A MODEL FOR THERMAL CATARACTOGENESIS 2442+

FOWERAKER, A. R.

ELECTRIC BIREFRINGENCE STUDIES OF CARTILAGE PROTEOGLYCAN AGGREGATION 2399+

FOX, J. W.

RADIOFREQUENCY IN THE OPERATING-THEATRE 1798+

OR RF: THE SECOND FACTOR 2924+

FOX, K. I.

PROCEDURE FOR EVALUATING THE EFFECTS OF 2,450-MEGAHERTZ MICROWAVES UPON STREPTOCOCCUS FAECALIS AND SACCHAROMYCES CEREVISIAE 1920

FOX, M.

LOW INTENSITY MICROWAVE RADIATION AND THE VIRULENCE OF AGROBACTERIUM TUMEFACIENS STRAIN B6 0022

FOX, S. S.

RAT LYMPHOCYTES IN CELL CULTURE EXPOSED TO 2450 MHZ (CW) MICROWAVE RADIATION 2799

FRADKIN, C. S.

APPLICATIONS OF LOCAL EM HYPERTHERMIA IN ONCOLOGY 2803

FRAIT, Z.

MAGNETIC FIELDS AND ORGANISMS (IN CZECHOSLOVAKIAN) 1412

FRANCASSA, M.

MICROWAVE EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO 0352

FRANEAU, J.

MEASUREMENT OF THE DIELECTRIC CONSTANT AND LOSS OF SOLIDS AND LIQUIDS BY A CAVITY PERTURBATION METHOD 0988

FRANK, Z.

RADIATION HAZARDS FROM MICROWAVE SOURCES WITH MOBILE ANTENNAS: CERTAIN TECHNICAL PROBLEMS 0882+

INFLUENCE OF PULSED MICROWAVES ON HAEMATOPOIESIS OF ADOLESCENT RATS 1132

FRANK-KAMENETSKII, D. A.

PLASMA EFFECTS IN SEMICONDUCTORS AND BIOLOGICAL EFFECT OF RADIOWAVES 0478+

FRANKLIN, D. L.

WORKSHOP ON MAGNETIC-ELECTRIC FIELDS AND ENVIRONMENT 1680+

FRANKLIN, J. B.

THE INTERRUPTION OF PREGNANCY USING MICROWAVE RADIATION 2876

FRANKLIN, P. J.

EXTENSION OF THE 'THIN-SAMPLE METHOD' FOR THE MEASUREMENT OF INITIAL COMPLEX PERMEABILITY AND PERMITTIVITY 3337

FRANSON, P.

MARINE RADAR HELP OR HAZARD ? 0073+

FRASER, A.

A COAXIAL PATHWAY FOR RECORDING FROM THE CAT BRAIN STEM DURING ILLUMINATION WITH UHF ENERGY 1037

EM EMISSION AT MICRON WAVELENGTHS FROM ACTIVE NERVES 1039+

FRATTALI, V.

ASCORBIC ACID CHANGES IN CULTURED RABBIT LENSES AFTER MICROWAVE IRRADIATION 1070

FRAZER, J.

THE EFFECTS OF 19 MEGACYCLE IRRADIATION ON MICE AND RATS 2181

FRAZER, J. W.

METAL ION CONTENT OF SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MHZ RADIOFREQUENCY IRRADIATION 0841

NEUROTRANSMITTER CONTENT OF MOUSE BRAIN AFTER INACTIVATION BY MICROWAVE HEATING 0902

A COMPARISON OF THERMAL AND RADIO-FREQUENCY EXPOSURE EFFECTS ON TRACE METAL CONTENT OF BLOOD PLASMA AND LIVER CELL FRACTIONS OF RODENTS 1079

DISCUSSION PAPER: RAMAN SPECTROSCOPY OF MOLECULAR SPECIES DURING EXPOSURE TO 100-MHZ RADIO-FREQUENCY FIELDS 1084

INTERACTION OF EM FIELDS WITH MAN AND EXPERIMENTAL ANIMALS 1291+

THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS 1779+

CYTOLOGIC ASPECT OF RF RADIATION IN THE MONKEY 2030

CARDIAC PULSE GENERATORS AND EM INTERFERENCE 2041

THE EFFECT OF 1.6 GHZ RADIATION ON NEUROTRANSMITTERS IN DISCRETE AREAS OF THE RAT BRAIN 2169

ELECTROMAGNETIC COMPATIBILITY OF CARDIAC PACEMAKERS 2270

GHOSTS AND WITCHCRAFT IN RF MEASUREMENTS OR POWER ABSORPTION MEASUREMENTS IN HF FIELDS 2400+

FRAZIER, J. R.

PERFORMANCE OF X-RAY MEASUREMENT INSTRUMENTS WHEN SUBJECTED TO ENVIRONMENTAL LEVEL RF FIELDS 0415+

FRAZIER, M. J.

PACEMAKER TESTING CONSIDERATIONS AND TECHNIQUES 2273+

FREDERICK, C. L.

EFFECTS OF EM ENERGY ON THE ENVIRONMENT--A SUMMARY REPT. 0815

EFFECTS OF ELECTROMAGNETIC ENERGY ON MAN 2977+

FREDERICK, J. N.
MICROWAVE RADIATIONS. 3372

FREE, W. R.
DESIGN OF AN ILLUMINATION FACILITY FOR BIOLOGICAL EXPOSURE TO MICROWAVES 2433

FREEBORN, J.
NON-THERMAL EFFECTS OF RF ENERGY. 3223 +

FREEBORN, J. F.
EFFECT OF RADIO-FREQUENCY FIELDS ON THE ZETA-POTENTIAL OF A COLLOIDAL SUSPENSION. 3222

FREEMAN, R. D.
ELECTROPHYSIOLOGICAL EVIDENCE THAT ABNORMAL EARLY VISUAL EXPERIENCE CAN MODIFY THE HUMAN BRAIN 3022 +

FRENCH, R. C.
REVERSAL OF COLD-INDUCED DORMANCY OF UREDOSPORES BY MICROWAVE AND INFRARED IRRADIATION 3473 +

FRENKEL, S. R.
CHANGES IN METABOLISM OF NITROGENOUS SUBSTANCES IN ANIMAL NERVE TISSUE SUBJECTED TO AN EM FIELD OF UHF 0618

FREY, A. H.
HOLOGRAPHIC ASSESSMENT OF A HYPOTHESIZED MICROWAVE HEARING MECHANISM 0302 +
MOTOR COORDINATION OR BALANCE DEGRADATION DURING MICROWAVE ENERGY EXPOSURE. 0349 +
HUMAN PERCEPTION OF ILLUMINATION WITH PULSED UHF EM ENERGY 0479 +
BIOLOGICAL FUNCTION AS INFLUENCED BY LOW POWER MODULATED RF ENERGY 0593 +
SOME EFFECTS ON HUMAN SUBJECTS OF UHF RADIATION 0601 +
TOWARDS A MODEL OF THE ELECTROSENSORY SYSTEM IN THE FISH 0612
AVOIDANCE BY RATS OF ILLUMINATION WITH LOW POWER NONIONIZING EM ENERGY 0914 +
HUMAN AUDITORY SYSTEM RESPONSE TO MODULATED EM ENERGY 1031 +
HUMAN RESPONSE TO VERY-LOW-FREQUENCY EM ENERGY 1033 +
AUDITORY SYSTEM RESPONSE TO RADIO FREQUENCY ENERGY 1035 +
BRAIN STEM EVOKED RESPONSES ASSOCIATED WITH LOW-INTENSITY PULSED UHF ENERGY 1036 +
A COAXIAL PATHWAY FOR RECORDING FROM THE CAT BRAIN STEM DURING ILLUMINATION WITH UHF ENERGY 1037 +
THE NATURE OF ELECTROSENSING IN THE FISH 1038 +
EM EMISSION AT MICRON WAVELENGTHS FROM ACTIVE NERVES 1039
PULSE MODULATED UHF ENERGY ILLUMINATION OF THE HEART ASSOCIATED WITH CHANGE IN HEART RATE 1040 +
BEHAVIORAL BIOPHYSICS 1042 +
A RESTRAINT DEVICE FOR CATS IN AN UHF EM ENERGY FIELD 1045 +
DIFFERENTIAL BIOLOGIC EFFECTS OF PULSED AND CONTINUOUS EM FIELDS AND MECHANISMS OF EFFECT 1052 +
NEURAL FUNCTION AND BEHAVIOR: DEFINING THE RELATIONSHIP 1095 +
HUMAN AUDITORY SYSTEM RESPONSE TO LOWER POWER DENSITY, PULSE MODULATED, EM ENERGY: A SEARCH FOR MECHANISMS 1135
CARDIAC AND NEURAL EFFECTS OF RADAR WAVELENGTHS 1199 +
EFFECTS OF MICROWAVE AND RADIO FREQUENCY ENERGY ON THE CENTRAL NERVOUS SYSTEM 1538 +
PANEL DISCUSSION I: MICROWAVE MEASUREMENTS METHODS AND STANDARDS FOR BIOLOGICAL RESEARCH AND HAZARDS SURVEYS 1550
PANEL DISCUSSION II: FUTURE NEEDS IN RESEARCH ON THE BIOLOGICAL EFFECTS OF MICROWAVE AND R. F. RADIATION 1551
ON THE PENETRATION OF UHF ENERGY THROUGH THE HEAD 2269 +
BEHAVIORAL EFFECTS OF ELECTROMAGNETIC ENERGY 2658 +

FREY, B.
NEURAL FUNCTION AND BEHAVIOR: DEFINING THE RELATIONSHIP 1095

FREY, J.
TECHNOLOGY ASSESSMENT AND MICROWAVE DIODES 2961
WHAT,S AHEAD FOR MICROWAVES 2968 +

FREYMAN, R. W.
EFFECTS OF 800-MHZ EMR ON BODY WEIGHT, ACTIVITY, HEMATOPOIESIS AND LIFE SPAN IN MICE 2037

FRICKER, S. J.
CATARACTS AND ULTRA-HIGH-FREQUENCY RADIATION 3607

FRIEDENBERG, Z. B.
HEALING OF NONUNION OF THE MEDIAL MALLEOLUS BY MEANS OF DIRECT CURRENT: A CASE REPT. 1813 +
ELECTRICAL STIMULATION AND OXYGEN TENSION 2234
ELECTRICAL FRACTURE HEALING 2245 +
TREATMENT OF NONUNION WITH CONSTANT DIRECT CURRENT 2783

FRIEDENTHAL, E.
THERAPEUTIC POTENTIAL OF CONFORMAL APPLICATORS FOR INDUCTION OF HYPERTHERMIA 0258
INDUCTION OF HYPERTHERMIA IN DEEP-SEATED TUMORS BY A SPECIAL MICROWAVE APPLICATOR 0335
MICROWAVE APPARATUS FOR THE TREATMENT OF CANCER. 0374
EFFECTS OF MICROWAVE-INDUCED LOCAL HYPERTHERMIA ON MAMMARY ADENOCARCINOMA IN C3H MICE 1238
MICROWAVE-INDUCED HYPERTHERMIA IN CANCER TREATMENT: APPARATUS AND PRELIMINARY RESULTS 3418

FRIEDMAN, H.
FILTERED VERSUS UNFILTERED RF ENERGY FOR NERVE STIMULATION 1678 +
EFFECT OF MAGNETIC FIELDS ON REACTION TIME PERFORMANCE 2107 +
BIOMAGNETIC STRESSOR EFFECTS IN PRIMATES 2108 +

FRIEDMAN, J. J.
ANNUAL PROGRESS REPT.-1958, INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0543
REVIEW OF THE WORK CONDUCTED AT TULANE U.–INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION 1577

FRIEDMAN, M.
EMISSION OF INTENSE MICROWAVE RADIATION FROM AN AUTOMODULATED RELATIVISTIC ELECTRON BEAM 0956 +

FRIEND, A. W.
LOW FREQUENCIES, MOTILE CELLS, MEASUREMENTS AND MODELS, PART I (THE EFFECTS OF LOW FREQUENCY ELECTRIC FIELDS ON AMOEBAE AND THEIR USES AS TOOLS FOR STUDYING CELLULAR STRUCTURE) 0636 +
LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN THE SHAPE AND MOTILITY OF AMOEBAS 0813 +

FRISOLI, A.
A MEDICAL X-RAY SURVEY PACKET 2958

FRITZLER, D.
MICROWAVE HOLOGRAPHY USING LIQUID CRYSTAL AREA DETECTORS. 3362

FROHLICH, H.
COHERENT ELECTRIC VIBRATIONS IN BIOLOGICAL SYSTEMS AND THE CANCER PROBLEM 0042 +
DIELECTRIC PROPERTIES AND MEASUREMENT TECHNIQUES FOR BIOMOLECULES 1735

THE EXTRAORDINARY DIELECTRIC PROPERTIES OF BIOLOGICAL MATERIALS AND THE ACTION OF ENZYMES
1736+

EVIDENCE FOR COLLECTIVE MAGNETIC EFFECTS IN AN ENZYME LIKELIHOOD OF ROOM TEMPERATURE SUPERCONDUCTIVE REGIONS
1737

ELECTRIC AND MAGNETIC PROPERTIES OF LYSOZYME AND OTHER BIOMOLECULES
1738

POSSIBILITIES OF LONG- AND SHORT-RANGE ELECTRIC INTERACTIONS OF BIOLOGICAL SYSTEMS
2426+

RESONANT GROWTH RATE RESPONSE OF YEAST CELLS IRRADIATED BY WEAK MICROWAVES
2697

SELECTIVE LONG RANGE DISPERSION FORCES BETWEEN LARGE SYSTEMS.
3254+

FROHLICK, E. D.

ALTERED RENOPRESSOR RESPONSE-PATTERN TO ENDOTOXIN RADIATED WITH RADIO-FREQUENCY ENERGY
3475

FROLOV, A. F.

EFFECT OF STATIC ELECTRICITY ON THE HUMAN ORGANISM UNDER THE CONDITIONS PREVAILING IN THE CITY OF FRUNZE (IN RUSSIAN)
2076

FROMME, M. L.

MEASUREMENT OF MICROWAVE RADIATION ABSORBED BY BIOLOGICAL SYSTEMS, 1. ANALYSIS OF HEATING AND COOLING DATA
2729

PSEUDOSUBSTRATE BINDING TO RIBONUCLEASE DURING EXPOSURE TO MICROWAVE RADIATION AT 1.70 AND 2.45 GHZ
3382

FRYDHAM, M.

EFFECTS OF THE ENVIRONMENT ON OXIDANTS PRODUCTION IN AC CORONA
3106+

FRYDMAN, M.

MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA II--LABORATORY TESTS
2996

OXIDANT MEASUREMENTS IN THE VICINITY OF ENERGIZED 765 KV LINES
3014+

FUKADA, E.

ELECTRET INDUCED CALLUS FORMATION IN THE RAT
2776

FUKALOVA, P. P.

BIOLOGIC EFFECTS OF RADIATION IN THE 30-300 MHZ RANGE
1276

HYGIENIC EVALUATION OF THE ENVIRONMENTAL CONDITIONS IN TELEVISION STATIONS EMPLOYING NEW TRANSMITTER SYSTEMS
1342+

EFFECT OF EM ULTRASHORT WAVELENGTH FIELDS (155 AND 191 MHZ) ON THE SURVIVAL RATE AND TEMPERATURE REACTION OF TEST ANIMALS
1354+

EFFECT OF MICROWAVES ON THE BLOOD PRESSURE LEVELS IN TEST ANIMALS
1355+

MORPHOLOGICAL CHANGES IN EXPERIMENTAL ANIMALS EXPOSED TO RF EM FIELDS OF THE 155 AND 191 MHZ RANGE
1359

MAJOR TRENDS IN THE SCIENTIFIC ORGANIZATION OF WORK AT RADIO AND TELEVISSION STATIONS
1436+

RESULTS OF EXPERIMENTAL STUDIES ON EM IRRADIATION WITH LOW INTENSITY USW, SW, AND MW
1456+

CHANGES IN CERTAIN PROTECTIVE REACTIONS OF AN ORGANISM UNDER THE INFLUENCE OF SW IN EXPERIMENTAL AND INDUSTRIAL CONDITIONS
1457

RESEARCH DATA ON THE STANDARDIZATION OF EM FIELDS IN THE SHORT AND ULTRASHORT WAVE RANGES
2555+

FULK, D. W.

EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON BEHAVIORAL BASELINES
1094

AN EXAMINATION OF CERTAIN BLOOD SERUM CONSTITUENTS IN THE RAT FOLLOWING MICROWAVE IRRADIATION
1984+

FULLTER, W. H.

SOIL TREATMENT BY MICROWAVE ENERGY TO DESTROY PLANT PATHOGENS
3471

FUNG, D. Y.

DESTRUCTION OF ESCHERICHIA COLI AND SOLMONELLA TYPHIMURIUM IN MICROWAVE-COOKED SOUPS
0814

FUREDI, A. A.

EFFECTS OF HIGH-FREQUENCY ELECTRIC FIELDS ON THE LIVING CELL, I. BEHAVIOUR OF HUMAN ERYTHROCYTES IN HIGH-FREQUENCY ELECTRIC FIELDS AND ITS RELATION TO THEIR AGE
1692+

FURMAN, S.

THE PACEMAKER PATIENT AND THE EM ENVIRONMENT
1025

G

GABOVICH, R. D.

EFFECT OF A LOW FREQUENCY (50 HZ) ELECTRIC FIELD ON THE BODY (IN RUSSIAN)
0233+

EFFECTS OF SUPERHIGH FREQUENCY FIELDS OF DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MANGANESE, MOLYDENUM, AND NICKEL IN THE ORGANISM OF EXPERIMENTAL ANIMALS
1505+

METABOLISM AND DISTRIBUTION OF IRON, COPPER, MOLYBDENUM, MANGANESE, AND NICKEL IN THE ORGANS OF A BODY EXPOSED TO INDUSTRIAL AND SUPERHIGH FREQUENCY EM FIELDS
2806+

GABOVIN, R. D.

INFLUENCE OF A LOW FREQUENCY (50 HZ) ELECTRIC FIELD ON THE ORGANISM.
0379+

GADDIE, J. C.

IMPROVED SUPPRESSION OF RADIATION FROM AUTOMOBILES USED BY THE GENERAL PUBLIC
1303

GADEN, E. L.

THE LETHAL EFFECTS OF A HIGH FREQUENCY ELECTRIC FIELD ON ESCHERICHIA COLI
3470+

GAFFEY, C. T.

CHANGES IN THE ELECTROCARDIOGRAMS OF RATS AND DOGS EXPOSED TO DC MAGNETIC FIELDS.
0232+

GAGE, M. I.

EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS REPORT
0257

MICROWAVE IRRADIATION AND AMBIENT TEMPERATURE INTERACT TO ALTER RAT BEHAVIOR FOLLOWING OVERNIGHT EXPOSURE.
0417+

GAGLIANO, A. G.

ORIENTATION AND LINEAR DICHROISM OF CHLOROPLASTS AND SUB-CHLOROPLAST FRAGMENTS ORIENTED IN AN ELECTRIC FIELD
2704+

GAIDUK, V. I.

OUTLOOK FOR STUDY OF THE MECHANISMS OF THE NONTHERMAL EFFECTS OF MILLIMETER- AND SUB-MILLIMETER-BAND EMR ON BIOLOGICALLY ACTIVE COMPOUNDS
2307+

GAIKHORST, G.

CURRENT PROBLEMS IN THE STANDARDISATION OF MEDICAL ELECTRICAL EQUIPMENT
2309+

GAJDA, G.

MAPPING OF THE NEAR-FIELD PATTERN IN SIMULATED BIOLOGICAL TISSUES.
0145+

GALAGAN, S.

UNDERSTANDING MICROWAVE ABSORBING MATERIALS AND ANECOHIC CHAMBERS, PARTS I THRU IV.
3306+

UNDERSTANDING MICROWAVE ABSORBING MATERIALS AND ANECHOIC CHAMBERS PART 3.
3350+

UNDERSTANDING MICROWAVE ABSORBING MATERIALS AND ANECHOIC CHAMBERS PART 2.
3351+

GALAKTIONOVA, G. V.

EFFECTS OF STRONG INFRALOW-FREQUENCY MAGNETIC FIELDS ON BONE MARROW CELL DIVISION.
0437

PHYSIOLOGICAL REGENERATION OF THE CORNEAL EPITHELIUM EXPOSED

TO SUPERSTRONG CONSTANT MAGNETIC FIELDS (IN RUSSIAN) 1402

PROLONGED EFFECT OF A CONSTANT AND ALTERNATING MAGNETIC FIELD OF 1,000 OERSTED ON THE MITOTIC ACTIVITY (IN RUSSIAN) 1405

MODIFICATION OF THE CYTOGENETIC EFFECT OF IONIZING RADIATION UNDER THE INFLUENCE OF PERMANENT MAGNETIC FIELDS 1595+

GALAMBOS, R.

MIDDLE-EAR STRUCTURES CONTRIBUTE LITTLE TO AUDITORY PERCEPTION OF MICROWAVES. 0411

MICROWAVE-INDUCED COCHLEAR MICROPHONICS IN CATS 1158

COCHLEAR MICROPHONICS GENERATED BY MICROWAVE PULSES 1207

DISCRIMINATIVE CONTROL OF APPETITIVE BEHAVIOR BY PULSED MICROWAVE RADIATION IN RATS 2164

CHARACTERISTICS OF MICROWAVE-INDUCED COCHLEAR MICROPHONICS 2757

GALAS, G. S.

STATE OF IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS. (IN RUS.) 0162

GALEY, D.

RADIOFREQUENCY LESION OF THE VENTRAL MESENCEPHALIC TEGMENTUM: NEUROLOGICAL AND BEHAVIORAL CONSIDERATIONS 0835

LOCOMOTOR ACTIVITY AFTER VARIOUS RADIOFREQUENCY LESIONS OF THE LIMBIC MIDBRAIN AREA IN THE RAT. EVIDENCE FOR A PARTICULAR ROLE OF THE VENTRAL MESENCEPHALIC TEGMENTUM 1871+

GALKIN, A. A.

INJURY AND RECOVERY OF THE MOUSE ORGANISM AFTER MICROWAVE (2,400 MHZ) IRRADIATION. (IN RUS.) 0194

GALKINA, N. S.

HETEROGENEITY OF THE REACTIONS OF NEURONS FROM DIFFERENT PARTS OF THE BRAIN TO REPEATED SHF IRRADIATION (IN RUS) 0350+

GALLAGHER, J. C.

PRESENTATION AND DISCUSSION OF SESSION REPORTS, CONCLUSIONS (INCLUDING FUTURE RESEARCH NEEDS) AND RECOMMENDATIONS 0899+

GALLI, C.

BRAIN FREE FATTY ACID LEVELS IN RATS SACRIFICED BY DECAPITATION VERSUS FOCUSED MICROWAVE IRRADIATION 0928

GALLOWAY, W. D.

BRH UPDATE ON BIOEFFECTS OF MICROWAVE RADIATION 0074+

MICROWAVE DOSE-RESPONSE RELATIONSHIPS ON TWO BEHAVIORAL TASKS 1092+

BEHAVIORAL SUPPRESSION BY 383-MHZ RADIATION 1849

INTERACTION BETWEEN MICROWAVE AND NEUROACTIVE COMPOUNDS 2663+

GALPIN, F. L.

RESULTS OF THE EPA ENVIRONMENTAL RF RADIATION MEASUREMENTS PROGRAM 0075+

GALSKY, A. G.

LOW INTENSITY MICROWAVE RADIATION AND THE VIRULENCE OF AGROBACTERIUM TUMEFACIENS STRAIN B6 0022

GALZIGNA, L.

DIELECTRIC INCREMENT OF LOW MOLECULAR WEIGHT RNA IN DIOXANE AFTER APPLICATION OF STATIC ELECTRIC FIELDS 0641+

GAMOW, E.

THRESHOLD EFFECTS OF MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS 1090

GANDHI, O. P.

COMPARISON OF MICROWAVE IRRADIATION AT 986 VERSUS 2450 MHZ FOR IN VIVO INACTIVATION OF BRAIN ENZYMES IN RATS 0085

ELECTROMAGNETIC ABSORPTION IN A MULTILAYERED MODEL OF MAN. 0127

AN INVESTIGATION OF THE THERMAL AND ATHERMAL EFFECTS OF MICROWAVE IRRADIATION ON ERYTHROCYTES. 0183

BEHAVIORAL EFFECTS OF STRONG 60-HZ ELECTRIC FIELDS IN RATS. 0373

CORNER-REFLECTOR APPLICATORS FOR MULTILATERAL EXPOSURE OF ANIMALS IN BIOEFFECTS EXPERIMENTS. 0386+

THE INACTIVATION OF RODENT BRAIN ENZYMES IN VIVO USING HIGH-INTENSITY MICROWAVE IRRADIATION. 0387

STATE OF THE KNOWLEDGE FOR ELECTROMAGNETIC ABSORBED DOSE IN MAN AND ANIMALS. 0403+

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES. 0414

GENERATION OF ACOUSTIC SIGNALS BY PULSED MICROWAVE ENERGY 0718

POLARIZATION AND FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF RF ENERGY 0780+

A MICROWAVE APPLICATOR FOR IN VIVO RAPID INACTIVATION OF ENZYMES IN THE CENTRAL NERVOUS SYSTEM 1034

DISCUSSION PAPER: STRONG DEPENDENCE OF WHOLE ANIMAL ABSORPTION ON POLARIZATION AND FREQUENCY OF RADIO-FREQUENCY ENERGY 1104+

FREQUENCY AND ORIENTATION EFFECTS ON WHOLE ANIMAL ABSORPTION OF EM WAVES 1335+

CONDITIONS OF STRONGEST EM POWER DEPOSITION IN MAN AND ANIMALS 1389+

LIQUID-CRYSTAL FIBEROPTIC RF PROBES. PART 2: A MICROWAVE POWER PROBE 1724+

BEHAVIORAL EFFECTS OF RESONANT EM POWER ABSORPTION IN RATS 2166

DISTRIBUTION OF EM ENERGY DEPOSITION IN MODELS OF MAN WITH FREQUENCIES NEAR RESONANCE 2188+

ORIENTATION AND FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF MICROWAVES–LETHALITY EXPERIMENTS 2378

DEPOSITION OF EM ENERGY IN ANIMALS AND IN MODELS OF MAN WITH AND WITHOUT GROUNDING AND REFLECTOR EFFECTS 2733+

RADIATORS FOR MICROWAVE BIOLOGICAL EFFECTS RESEARCH– WAVEGUIDE SLOT ARRAY WITH CONSTANT RADIATION INTENSITY 2740

BEHAVIORAL AND THERMAL EFFECTS OF MICROWAVE RADIATION AT RESONANT AND NONRESONANT WAVELENGTHS 2761

FREQUENCY AND POLARIZATION EFFECTS ON WHOLE ANIMAL ABSORPTION OF RF ENERGY 3556+

RESONANT ELECTROMAGNETIC POWER DEPOSITION IN MAN WITH AND WITHOUT GROUND EFFECTS 3618+

GARAY, O.

HEATING OF BIOLOGICAL TISSUE IN THE INDUCTION FIELD OF PORTABLE RADIO TRANSMITTERS 3151

GARBIN, L.

DIELECTRIC INCREMENT OF LOW MOLECULAR WEIGHT RNA IN DIOXANE AFTER APPLICATION OF STATIC ELECTRIC FIELDS 0641

GARDELLA, E. S.

THE SENSITIVITY OF BLACK BULLHEAD, ICTALURUS MELAS RAFINESQUE, TO LOW LEVELS OF 60 HZ ALTERNATING ELECTRIC FIELDS 1205+

GARDNER, W. R.

RESPONSE OF PLANTS AND SOIL MICROORGANISMS TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS 1761+

GARLAN, H.

PROGRESS IN THE REGULATORY CONTROL OF RADIO INTERFERENCE 2980+

GARNER, R. J.
COLLABORATIVE RADIOLOGICAL HEALTH LABORATORY ANNUAL REPORT 1971 2978+
THE EFFECT OF MICROWAVE ON Y-MAZE LEARNING IN THE WHITE RAT 3503
SELECTED BIOLOGICAL EFFECTS OF MICROWAVE RADIATION AND IDENTIFICATION OF POTENTIALLY SUSCEPTIBLE POPULATION GROUPS 3557

GARY, C.
BIOLOGICAL EFFECTS OF AN ELECTRIC FIELD: WHAT CAN AN ELECTRICIAN SAY ON THIS SUBJECT? 1584+

GASKILL, J. W.
INTERACTION BETWEEN A LINEARLY POLARIZED ELECTROMAGNETIC PLANE AND A DOUBLE SPHERICAL SHELL 3088
INTERACTION BETWEEN A LINEARLY POLARIZED ELECTROMAGNETIC PLANE WAVE AND A DOUBLE SPHERICAL SHELL 3551

GASS, A. E.
GROWTH AND DEVELOPMENT OF NEONATAL MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS 0743
GHOSTS AND WITCHCRAFT IN RF MEASUREMENTS OR POWER ABSORPTION MEASUREMENTS IN HF FIELDS 2400

GAUBIN-BLANQUET, Y.
INFLUENCE OF VARIOUS PHYSICAL FACTORS (MAGNETIC FIELDS) ON THE DEVELOPMENT OF ARTEMIA SALINA EGGS (IN FRENCH) 2143+

GAUGER, J. R.
PILOT SURVEY OF SMALL MAMMAL POPULATIONS IN THE CHEQUAMEGON NATIONAL FOREST DURING 1971 AND 1972 1751

GAUTHERIE, M.
MILLIMETER-WAVE THERMOGRAPHY: APPLICATION TO BREAST CANCER 0234+
MILLIMETER-WAVE THERMOGRAPHY: PRELIMINARY CLINICAL FINDINGS IN HEAD AND NECK DISEASES 0271

GAVALAS, R. J.
EFFECT OF LOW-LEVEL, LOW-FREQUENCY ELECTRIC FIELDS ON EEG AND BEHAVIOR IN MACACA NEMESTRINA 0831+

GAVALAS-MEDICI, R.
EXTREMELY LOW FREQUENCY, WEAK ELECTRIC FIELDS AFFECT SCHEDULE-CONTROLLED BEHAVIOUR OF MONKEYS 1169+
AN EVALUATION OF POSSIBLE EFFECTS OF 45 HZT, 60 HZ AND 75 HZ ELECTRIC FIELDS ON NEUROPHYSIOLOGY AND BEHAVIOR OF MONKEYS, PHASE I: CONTINUOUS WAVE 1373+
EFFECTS OF WEAK ELECTRIC FIELDS ON BEHAVIOR AND EEG OF LABORATORY ANIMALS 2418+

GAVALAS-MEDICI, R. J.
EFFECTS OF MODULATED VHF FIELDS ON SPECIFIC BRAIN RHYTHMS IN CATS 0447
REINFORCEMENT OF TRANSIENT BRAIN RHYTHMS BY AMPLITUDE-MODULATED VHF FIELDS 1673

GAYDUK, V. I.
THE POSSIBLE ROLE OF WATER IN TRANSFER OF MILLIMETER RANGE RADIATION TO BIOLOGICAL OBJECTS 0241

GEACINTOV, N. E.
ORIENTATION AND LINEAR DICHROISM OF CHLOROPLASTS AND SUB-CHLOROPLAST FRAGMENTS ORIENTED IN AN ELECTRIC FIELD 2704

GEBHARDT, U.
INTERFERENCE WITH CARDIAC PACEMAKERS BY DIATHERMY TESTED IN VARIOUS SIMULATION MODELS 0235+

GEDDES, L. A.
DEFIBRILLATION 1880

GEERAETS, W. J.
RADIATION EFFECTS ON THE EYE 0480+

GEITHMAN, G. A.
A MICROWAVE IRRADIATION CHAMBER FOR SCIENTIFIC STUDIES ON AGRICULTURAL PRODUCTS 2146

GEL'VICH E. A.
CERTAIN METHODOLOGICAL PROBLEMS AND RESULTS OF EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROORGANISMS AND ANIMALS 2300

GEL'VICH, E. A.
RESONANCE PHENOMENA IN THE ACTION OF MILLIMETER ELECTROMAGNETIC WAVES ON BIOLOGIC OBJECTS (IN RUSSIAN) 0294
SURVEY ARTICLE ON NIEMR RESONANCE PHENOMENA 0384

GELLIN, G. A.
EVALUATION AND CONTROL OF EXPOSURES IN REPAIRING MICROWAVE OVENS 0714
EFFECT OF MICROWAVE OVEN ON FACIAL RADIODERMATITIS 2011+
EFFECT OF 'ELECTRIC RAY' OVEN EXPOSURE ON SYSTEMIC LUPUS ERYTHEMATOSUS 2012+

GEMBITSKIY, Y. V.
THE EFFECTS OF SUPERHIGH FREQUENCY EM FIELDS (SHF-EMF) ON THE BODY 1477
CHANGES IN THE BLOOD SYSTEM DURING CHRONIC EXPOSURE TO A SUPERHIGH-FREQUENCY FIELD 2013+
CHANGES IN THE FUNCTIONS OF THE INTERNAL ORGANS OF PERSONNEL OPERATING MICROWAVE GENERATORS 2263+

GENDLEMAN, S.
MOTOR COORDINATION OR BALANCE DEGRADATION DURING MICROWAVE ENERGY EXPOSURE 0349

GENGE, M. F.
STEP POTENTIAL AND BODY CURRENT NEAR A BURIED HORIZONTAL BARE CONDUCTOR IN A TWO-LAYER EARTH 1635

GENS, R. S.
PROGRESS REPORT OF EPRI PROJECT UHV 3124

GEORGE, R.
RADIATION AND MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCER 0012

GERBER, H.
INFLUENCE OF MAGNETIC FIELDS ON GROWTH AND REGENERATION IN ORGAN CULTURE 0147+

GERICKE, D.
FURTHER PROGRESS WITH ONCOLYSIS DUE TO LOCAL HIGH FREQUENCY HYPERTHERMIA, LOCAL X-IRRADIATION AND APATHOGENIC CLOSTRIDA 0236+
COMBINATION OF RADIOTHERAPY, MICROWAVE HYPERTHERMIA AND CLOSTRIDIAL ONCOLYSIS ON EXPERIMENTAL MOUSE TUMORS 0323
TUMOR HYPERTHERMY BY MEANS OF RADIOFREQUENCY IN ORDER TO ENHANCE ONCOLYSIS BY COLOSTRIDIUM BUTYRICUM (STRAIN M 55) (IN GERMAN) 1806
MICROWAVE HYPERTHERMIA AND ONCOLYSIS BY CLOSTRIDIUM (IN GERMAN) 2634+
PROGRESS IN CLOSTRIDIAL ONCOLYSIS AND DIAGNOSIS 2817+

GERMAN, J. P.
CHARACTERISTICS OF ELECTROMAGNETIC RADIATION FROM GAP-TYPE SPARK DISCHARGES ON ELECTRIC POWER DISTRIBUTION LINES 3181+

GERNER, E. W.
EFFECTS OF INTERSITIAL IRRADIATION ALONE, OR COMBINATION WITH LOCALIZED HYPERTHERMIA ON THE RESPONSE OF A MOUSE MAMMARY TUMOR 3423

GERSHMAN, L. C.
GAMMA-AMINOBUTYRIC ACID METABOLISM IN RATS FOLLOWING MICROWAVE EXPOSURE 0482

GERSTEN, J. W.
THE EFFECT OF MICROWAVE DIATHERMY ON THE PERIPHERAL CIRCULATION AND ON TISSUE TEMPERATURE IN MAN 0481+

THE EFFECTS OF DIATHERMY ON THE FLOW OF BLOOD IN THE EXTREMITIES
0656

GERTSEN, I. G.
MAGNETOTHERAPY OF INFECTED OPEN FRACTURES
0351+

GETMANETS, I. I.
STATE OF IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS (IN RUS.)
0162

GETOV, K.
BONE MARROW APLASIA (IN RUSSIAN)
0720+

GEVORKIAN, M. I.
EFFECT OF ELECTROSTATIC FIELD ON ANTIBODY SYNTHESIS (IN RUSSIAN)
2229

GHOSH, S. K.
A PROPOSAL FOR A MICROWAVE RADIATION WARNING SIGN
1696+

CONTROL OF NON-IONIZING RADIATION EMITTING DEVICES IN CANADA
2058

GIANNINI, F.
EFFECTS OF THE SURROUNDINGS ON EM-POWER ABSORPTION IN LAYERED-TISSUE MEDIA
1233

ANALYSIS OF MODELS FOR THE STUDY OF INTERACTION BETWEEN EM FIELDS AND BIOLOGICAL TISSUES TO EVALUATE THE RISKS OF EXPOSURE (IN ITALIAN)
2635

GIAROLA, A. J.
CONTINUOUS EXPOSURE OF CHICKS AND RATS TO EM FIELDS
0753+

EFFECTS OF EM FIELDS ON FECUNDITY IN THE CHICKEN
1089

EFFECTS OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF ANIMALS
2277+

INFLUENCE OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHICKENS
2289

EFFECT OF VARIOUS EM FIELDS ON THE REPRODUCTIVE PERFORMANCE OF CHICKENS
2687

GIBSON, R. S.
THE EFFECT OF EXTREMELY LOW FREQUENCY MAGNETIC FIELDS ON HUMAN PERFORMANCE: A PRELIMINARY STUDY
1322+

GIDYNSKI, A.
HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES. PART I: THEORETICAL CONSIDERATIONS AND PRACTICAL ASPECTS
0796

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES. PART II: FUNCTIONAL DISTURBANCES
0797

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES. PART III: LENS TRANSLUCENCY
0798

GILDENBERG, P. L.
TREATMENT OF SPASMODIC TORTICOLLIS BY DORSAL COLUMN STIMULATION
0001+

TREATMENT OF SPASMODIC TORTICOLLIS BY DORSAL COLUMN STIMULATION
3406+

GILLARD, J.
COMPARATIVE STUDY OF THE ACTION OF THREE TYPES OF MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT
1139

STUDY OF THE MICROWAVE-INDUCED PERTURBATIONS OF THE BEHAVIOUR BY THE OPEN-FIELD TEST INTO THE WHITE RAT
2159+

STUDY OF THE BIOLOGICAL EFFECTS OF HYPERFREQUENCY RADIATION OF LOW POWER DENSITIES (IN FRENCH)
2631

GILLENWATER, J. Y.
ALTERED RENOPRESSOR RESPONSE-PATTERN TO ENDOTOXIN RADIATED WITH RADIO-FREQUENCY ENERGY
3475

GILLESPIE, L.
MICROWAVE BIOLOGICAL EFFECTS UNDER REPRODUCIBLE DOSIMETRIC AND ENVIRONMENTAL CONDITIONS
2389

GILLESPIE, L. J.
EFFECT OF 2450-MHZ MICROWAVES ON THE RADIATION RESPONSES OF X-IRRADIATED CHINESE HAMSTERS
0521

GILLETTE, E. L.
LARGE ANIMAL STUDIES OF HYPERTHERMIA AND IRRADIATION
0148+

GILMORE, J. F.
MEASUREMENTS OF DIELECTRIC MATERIALS WITH THE PRECISON SLOTTED LINE
3347+

GINNS, E. I.
RESPONSES OF THE MOUSE TO MICROWAVE RADIATION DURING ESTROUS CYCLE AND PREGNANCY
0930

ENVIRONMENTALLY CONTROLLED WAVEGUIDE IRRADIATION FACILITY
0990

ARE MICROWAVES TERATOGENIC?
1371

MICROWAVE BIOLOGICAL EFFECTS UNDER REPRODUCIBLE DOSIMETRIC AND ENVIRONMENTAL CONDITIONS
2389+

GINZBURG, D. A.
ELECTROENCEPHALOGRAPHIC DATA OBTAINED DURING LONG EXPOSURE TO EM RADIO FREQUENCY FIELDS
1343+

GIROUX, M.
MICROWAVE INSTRUMENTATION BASED ON FREQUENCY PERTURBATION TECHNIQUES
2936

GLASER, B.
INCREASED UTERINE ACTIVITY AND FETAL DETERIORATION DURING MATERNAL HYPERTHERMIA
2866

GLASER, P. E.
SOLAR POWER FROM SATELLITES
0575+

PERSPECTIVES ON SATELLITE SOLAR POWER
2060+

THE POTENTIAL OF SATELLITE SOLAR POWER
2695+

POWER WITHOUT POLLUTION
2932+

GLASER, Z. R.
GAMMA-AMINOBUTYRIC ACID METABOLISM IN RATS FOLLOWING MICROWAVE EXPOSURE
0482

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION: COMPILATION AND INTEGRATION OF REPORT AND SEVEN SUPPLEMENTS
0483+

EIGHTH SUPPLEMENT TO BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION
0484+

DETERMINATION AND ELIMINATION OF HAZARDOUS MICROWAVE FIELDS ABOARD NAVAL SHIPS
0485+

BIOMEDICAL ASPECTS OF RADIOFREQUENCY AND MICROWAVE RADIATION: A REVIEW OF SELECTED SOVIET, EAST EUROPEAN, AND WESTERN REFERENCES
2148+

THE SLEEP PROCESS OF RABBITS EXPOSED TO LOW INTENSITY NON-IONIZING EMR. I. DEVELOPMENT OF METHODOLOGY
2174

STUDIES ON THE BIO-MEDICAL EFFECTS OF MICROWAVE RADIATION: PAST, PRESENT AND FUTURE
2438+

INTERNATIONAL TRENDS IN EMR BIOEFFECTS RESEARCH
2789

SEVENTH SUPPLEMENT TO BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION
3144+

TRENDS IN NONIONIZING ELECTROMAGNETIC RADIATION BIOEFFECTS RESEARCH AND RELATED OCCUPATIONAL HEALTH ASPECTS
3392

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA AND CLINICAL MANIFESTINGS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION, FOURTH SUPPLEMENT
3594+

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION, FIFTH SUPPLEMENT
3595+

SIXTH SUPPLEMENT TO: BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION
3622+

GLASS, R. I.

A PERSPECTIVE ON ENVIRONMENTAL HEALTH IN THE USSR
1298+

GLAVIN, G. B.

BEHAVIORAL CHANGES IN ADULT RATS EXPOSED TO ELF MAGNETIC FIELDS
0785

PHYSIOLOGICAL CHANGES IN ADULT RATS EXPOSED TO AN ELF ROTATING MAGNETIC FIELD
0786

GLEZER, V. M.

MICROCALORIMETRY OF THE PROCESSES OF COAGULATION IN NORMAL CONDITIONS AND AFTER EXPOSURE TO A CONSTANT MAGNETIC FIELD
0952

THE MECHANISM OF THE BIOLOGICAL EFFECT OF CONSTANT MAGNETIC FIELDS
2489

GLICK, H. A.

EVIDENCE FOR ELECTRICALLY INDUCED PARTIAL STRAND SEPARATION OF DNA
2225

GLINER, J. A.

MAN'S PHYSIOLOGIC RESPONSE TO LONG-TERM WORK DURING THERMAL AND POLLUTANT STRESS
2916+

GLOTOVA, K. V.

THE CARDIOVASCULAR SYSTEM AS AFFECTED BY EXPOSURE TO MICROWAVE RADIATION
0063+

HEALTH STUDIES OF PERSONNEL EXPOSED TO EM ULTRA-SHORT WAVE SOURCES IN TELEVISION AND RADIO BROADCASTING STATIONS
1344

THE CLINIC, PATHOGENESIS, TREATMENT, AND OUTCOME OF RADIOWAVE SICKNESS
1441

AUTONOMIC AND CARDIOVASCULAR DISORDERS DURING CHRONIC EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS
2553

GLUSZCZ

DIFFICULTIES IN CERTIFICATION ON MICROWAVE DISEASE (IN POL)
0324+

GNOEVAYA, N. K.

HUMAN TOLERANCE TO LOCAL INFRARED IRRADIATION
0730

GOABOVICH, R. D.

RELATIONSHIP BETWEEN THE FREQUENCY OF HYPERTONIC CRISES AND CHANGES OF THE SOLAR ACTIVITY AND THE EARTH'S MAGNETIC FIELD INTENSITY (IN RUSSIAN)
2690

GOBAN, V. L.

ADRENOCORTICOTROPIC ACTIVITY OF THE HYPOPHYSIS UNDER THE EFFECT OF UHF-FIELD (IN RUSSIAN)
1637

GODEC, C.

ELECTRICAL STIMULATION FOR VOIDING DYSFUNCTION AFTER SPINAL CORD INJURY
0009+

GODFREY, W. L.

REMOTE SENSING OF SOUTHEASTERN WASHINGTON - PART 1 INFRARED SCANNING IMAGERY
3567+

GOLANT, M. B.

RESONANCE PHENOMENA IN THE ACTION OF MILLIMETER ELECTROMAGNETIC WAVES ON BIOLOGIC OBJECTS (IN RUSSIAN)
0294

SURVEY ARTICLE ON NIEMR RESONANCE PHENOMENA
0384

CERTAIN METHODOLOGICAL PROBLEMS AND RESULTS OF EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROORGANISMS AND ANIMALS
2300

EFFECTS OF EM WAVES ON PRODUCTION OF PROTEASES WITH FIBRINOLYTIC ACTIVITY IN ASPERGILLUS ORYZAE (AHLB.) COHN (STRAIN OF MOSCOW STATE UNIVERSITY)
2828

GOLD, M.

THE RADIOWAVE SYNDROME
0303+

GOLDBERG, M.

MONITORING OF ARTERIAL WALL MOVEMENT BY MICROWAVE DOPPLER RADAR
0283

GOLDBLITH, S. A.

EFFECT OF MICROWAVES ON ESCHERICHIA COLI AND BACILLUS SUBTILIS
0486+

GOLDBLUM, R. D.

RADIATION HAZARDS
2983+

GOLDMAN, D. E.

HEATING CHARACTERISTICS OF LAB. ANIMALS EXPOSED TO TEN-CENTIMETER MICROWAVES
0473

SHORT WAVE EMR AS A HAZARD TO PERSONNEL
2505+

GOLDMAN, L.

MICROWAVES, MAGNETIC IRON PARTICLES AND LASERS AS A COMBINED TEST MODEL FOR INVESTIGATION OF HYPERTHERMIA TREATMENT OF CANCER
1619+

GOLDSTEIN, A.

ENDORPHINS IN BRAINS OF DECAPITATED AND MICROWAVE-KILLED MICE
2219

GOLDSTEIN, L.

A QUANTITIATIVE ELECTROENCEPHALOGRAPHIC STUDY OF THE ACUTE EFFECTS OF X-BAND MICROWAVES IN RABBITS
1252+

GOLDWAG, H.

MICROWAVE HAZARDS.
0150+

GOLOBOKIY, N. K.

THE EFFECT OF BRIEF EXPOSURE TO A MAGNETIC FIELD ON THE BLOOD SEDIMENTATION RATE IN HEALTH AND DISEASE
2014+

GOMES, A. M.

MICROWAVE DRYING OF MICROORGANISMS: I. INFLUENCE OF THE MICROWAVE ENERGY AND OF THE SAMPLE THICKNESS ON THE DRYING OF YEAST
1384+

GONCAROVA, N. N.

BIOLOGIC EFFECTS OF RADIATION IN THE 30-300 MHZ RANGE
1276

GONCHAR, N. M.

DISTINCTIONS REFERABLE TO THE EFFECTS OF ELECTROMAGNETIC ENERGY IN THE SUPERHIGH-FREQUENCY RANGE ON CYTOCHEMICAL BLOOD INDICES
0061+

IMMUNOLOGICAL EFFECTS OF LOW MICROWAVE EXPOSURE
0435

GONCHAROVA, A. A.

EFFECT OF 191 AND 155 MHZ MICROWAVES ON THE CONDITIONED REFLEX ACTIVITY OF ANIMALS
1349

GONCHAROVA, N. N.

INDUSTRIAL HYGIENE PROBLEMS OF WORKING WITH ULTRA-SHORT-WAVE TRANSMITTERS USED IN TELEVISION AND RADIO BROADCASTING
2556+

GONET, B.

THE EFFECT OF CONSTANT MAGNETIC FIELD ON ECG IN EXPERIMENTAL ANIMALS
2061+

GONSETTE, R.

AN EXPERIMENTAL PERMEABILIZATION OF THE BLOOD-BRAIN BARRIER BY ELECTRIC FIELD APPLICATION
2820

GOOD, J. M.

APPLICATIONS OF MICROWAVE ENERGY TO CONTROL NEMATODES IN SOIL
1914

GOODMAN, E. M.

BIOEFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS.
0149+ OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS.
0152+

MITOTIC DELAY IN THE SLIME MOULD PHYSARUM POLYCEPHALUM INDUCED BY LOW INTENSITY 60 AND 75 HZ EM FIELDS
0907

EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND

DIFFERENTIATION OF PHYSARUM POLYCEPHALUM
1030+

EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM, PHASE I: CONTINUOUS WAVE
1753+

LONG-TERM EFFECTS OF WEAK 45-75 HZ EM FIELDS ON THE SLIME MOLD PHYSARUM POLYCEPHALUM
2182

LONG TERM EFFECTS OF EM FIELDS ON PHYSARUM POLCEPHALUM
2473+

EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS ON PHYSARUM POLYCEPHALUM
3147+

GOODMAN, G. R.

ELECTROSURGERY BURNS AND THE UROLOGIST
1872+

GOODWIN, B. C.

LOW ENERGY EM PERTURBATION OF AN ENZYME SUBSTRATE
0487+

GORDIYENKO, O. I.

ACTION OF EM FIELDS OF SUPERHIGH FREQUENCIES ON ERYTHROCYTES PRESERVED AT LOW TEMPERATURE
1504

GORDON, D.

INTRACELLULAR HYPERTHERMIA: A BIOPHYSICAL APPROACH TO CANCER TREATMENT VIA INTRACELLULAR TEMPERATURE AND BIOPHYSICAL ALTERATIONS
0076

GORDON, H. W.

PRELIMINARY REPT.: MICROWAVE FIXATION OF HUMAN TISSUES
0908+

GORDON, R.

MICROWAVE IRRADIATION, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS
2347

GORDON, R. T.

INTRACELLULAR HYPERTHERMIA: A BIOPHYSICAL APPROACH TO CANCER TREATMENT VIA INTRACELLULAR TEMPERATURE AND BIOPHYSICAL ALTERATIONS
0076+

GORDON, Z. V.

GENERAL EFFECTS OF MICROWAVE RADIATION
0894+

MAIN DIRECTIONS AND RESULTS OF RESEARCH CONDUCTED IN THE USSR ON THE BIOLOGIC EFFECTS OF MICROWAVES
1273+

NEW APPROACHES TO STUDIES IN THE FIELD OF INDUSTRIAL HYGIENE AND THE BIOLOGICAL EFFECT OF EM RADIOFREQUENCY WAVES
1338+

ENVIRONMENTAL STUDIES IN RADIO-RELAY STATIONS
1341+

A COMPARISON OF THE EFFECTS OF DIFFERENT MICROWAVE RANGES IN PULSE-CODE MODULATION AND CONTINUOUS GENERATION
1365+

NEW RESULTS OF INVESTIGATIONS ON THE PROBLEMS OF WORK HYGIENE AND THE BIOLOGICAL EFFECTS OF RADIOFREQUENCY EM WAVES
1435+

THE EFFECTS OF INTERMITTENT AND CONTINUOUS IRRADIATION ON CHANGES IN THE SECRETORY FUNCTION OF THE HYPOTHALAMUS AND CERTAIN ENDOCRINE GLANDS
1450

OVERVIEWS ON NONIONIZING RADIATION
2021

PATHOLOGICAL EFFECTS OF RADIO WAVES
2248

BIOLOGICAL EFFECT OF MICROWAVES IN OCCUPATIONAL HYGIENE
2250+

MORPHOPHSIOLOGICAL CHANGES UNDER THE EFFECTS OF RADIOFREQUENCY ELECTROMAGNETIC FIELDS
3026

BIOLOGICAL EFFECT OF MICROWAVE OF LOW INTENSITY
3065+

BIOLOGICAL EFFECTS OF RADIOFREQUENCY FIELDS AS TRANSLATED FROM O BIOLOGICHESKOM DEYSTVII ELEKTROMAGNITNYKH POLEY RADIOCHASTOT, NO. 4, 1973, MOSCOW
3126+

THE BIOLOGICAL ACTION OF ULTRAHIGH FREQUENCIES
3444

GORFINKEL', I. L.

LOW FREQUENCY ALTERNATING MAGNETIC FIELD IN THE TREATMENT OF PATIENTS WITH DEFORMING ARTHROSIS OF THE KNEE JOINTS
0278

GORIZONTOVA, M. N.

STATE OF THE BLOOD SYSTEM UNDER THE INFLUENCE OF SHF FIELDS OF VARIOUS INTENSITIES AND IN RADIOWAVE SICKNESS
1442

GORSKI, W.

CHANGES IN MUSCULAR FORCE IN ELDERLY SUBJECTS CAUSED BY ELECTRICAL STIMULATION
3402

GOSWAMI, P.

BEHAVIOUR OF THE CILIATE, PARAMECIUM BURSARIA FOCKE, IN EM FIELD
1913

GOTZ, K. G.

NORMAL DEVELOPMENT OF THE FRUITFLY DROSOPHILA IN VLF MAGNETIC FIELDS (IN GERMAN)
2071+

GOTZ, S.

NORMAL DEVELOPMENT OF THE FRUITFLY DROSOPHILA IN VLF MAGNETIC FIELDS (IN GERMAN)
2071

GOUBAU, G.

MICROWAVE POWER TRANSMISSION FROM AN ORBITING SOLAR POWER STATION
2933+

GOUCHER, C. R.

ACTIVITY CHANGES IN ALPHA-AMYLASE SOLUTIONS FOLLOWING THEIR EXPOSURE TO RADIO-FREQUENCY ENERGY
2954

GOULD, J. L.

PIGEONS HAVE MAGNETS
0286

GOULD, T. C.

THE EFFECT OF MICROWAVE RADIATION ON MORPHOLOGY AND FUNCTION OF RAT TESTIS
2893

GOUW, T. H.

PHYSICAL PROPERTIES OF FATTY ACID METHYL ESTERS.V. DIELECTRIC CONSTANT.
3199+

GRABER, P.

MEMBRANE-BOUND ATP SYNTHESIS GENERATED BY AN EXTERNAL ELECTRIC FIELD
0671

GRACHEV, Y. I.

THE INFLUENCE OF UHF ELECTRIC FIELD ON SPERMATOGENESIS IN TREATMENT OF PATIENTS WITH EPIDIDYMITIS
0933+

GRACHEVA, G. G.

ELECTRIC IMPULSE THERAPY OF IMPOTENCE (IN RUSSIAN)
2862

GRAETTINGER, J. S.

ENVIRONMENTAL INFLUENCE ON IMPLANTABLE CARDIAC PACEMAKERS
3078

GRAF, E. R.

EXTRA LOW FREQUENCY (ELF) EMR AS A BIOCOMMUNICATIONS MEDIUM: A PROTEIN TRANSRECEIVER SYSTEM
1670

GRAND, A.

PROTECTION AFFORDED BY THE METAL CAPSULE OF PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENCH)
2588+

GRANDOLFO, M.

ELECTROMAGNETIC FIELDS IN THE VICINITY OF RADAR THERAPY EQUIPMENT (IN ITALIAN)
0077+

HEALTH ASPECTS OF RADIO-FREQUENCY EMR (IN ITALIAN)
1705+

RADIATION LEAKAGE CONTROL OF A RADIOFREQUENCY INDUSTRIAL SYSTEM
2055+

GRANGER, M.

REGULATING POSSIBLE HEALTH EFFECTS FROM AC TRANSMISSION LINE ELECTROMAGNETIC FIELDS.
0375

GRANT, E. H.

MICROWAVES–A TOOL IN MEDICAL AND BIOLOGIC RESEARCH
0893+

EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL
0896+

MEASUREMENT OF PERMITTIVITY OF SOLUTION OF SMALL BIOLOGICAL MOLECULES AT RADIOWAVE AND MICROWAVE FREQUENCIES
1304

DIELECTRIC DISPERSION IN BOVINE SERUM ALBUMIN. 3205+

DISCUSSION: EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL. 3268+

THE IMPORTANCE OF BOUND WATER STUDIES IN THE DETERMINATION OF ENERGY ABSORPTION IN BIOLOGICAL TISSUES. 3271+

THE MEASUREMENT OF PERMITTIVITY OF HIGH-LOSS LIQUIDS AT MICROWAVE FREQUENCIES USING AN UNMATCHED PHASE CHANGER. 3336+

STANDING WAVE METHODS FOR MEASURING PERMITTIVITIES AT METER AND DECIMETER WACELENGTHS 3536+

GRASSI, G.

STIMULATION WITH AUTOMATIC RADIOFREQUENCY SYNCHRONIZATION AND PACING IN THE LONG-TERM TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN FRENCH) 3399

GRAU, L.

MORPHOLOGIC ALTERATIONS IN HAMSTER BLOOD-BRAIN BARRIER AFTER MICROWAVE IRRADIATION 2787

GRAUE, L. C.

ORIENTATION OF HOMING PIGEONS (COLUMBIA LIVIA) EXPOSED TO EM FIELDS AT PROJECT SANGUINE'S WISCONSIN TEST FACILITY 1755+

ORIENTATION OF HOMING PIGEONS EXPOSED TO THE EM FIELDS AT PROJECT SANGUINE'S WISCONSIN TEST FACILITY 1767+

GRAVES, H. B.

ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 2449

RESPONSE OF GALLUS CHICKS TO ELECTROSTATIC FIELDS 2696+

GRAVES, H. G.

BIOLOGICAL EFFECTS OF HIGH-INTENSITY 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS AND ANIMALS 2791

GRAY, O. S.

SELECTIVE EFFECT OF EM ENERGY ON VIRUSES 2504

EFFECT OF CONTROLLED EM ENERGY ON BIOLOGICAL SYSTEMS 2506+

THE EFFECT OF EM CONTROLLED ENERGY ON VIRUSES IN HUMAN BLOOD 2515

GREBESHECHNIKOVA, A. M.

THE INFLUENCE OF SUPER-HIGH FREQUENCY PULSED ELECTROMAGNETIC FIELD ON CONCEPTION AND THE COURSE OF PREGNANCY IN WHITE MICE 2875

GRECHUSKINA, V. A.

CLINICO-MORPHOLOGICAL AND BIOCHEMICAL CHANGES IN EXPERIMENTAL MICROWAVE CATARACTS 1867+

GREEN, D. R.

BIOLOGICAL EFFECTS OF MICROWAVES ON THE PUPAE OF TENEBRIO MOLITOR 2675+

GREEN, R. P.

ORIENTATION OF HOMING PIGEONS ALTERED BY A CHANGE IN THE DIRECTION OF AN APPLIED MAGNETIC FIELD 1021

GREENBERG, B.

THE SANGUINE BIOLOGICAL-ECOLOGICAL RESEARCH PROGRAM 0129

METABOLIC RATES IN FIVE ANIMAL POPULATIONS AFTER PROLONGED EXPOSURE TO WEAK EXTREMELY LOW FREQUENCY EM FIELDS IN NATURE 1108+

OXYGEN CONSUMPTION AND RESPIRATORY QUOTIENT IN FIVE ANIMAL POPULATIONS NATURALLY EXPOSED TO SANGUINE EM FIELDS 1390+

METABOLIC RATES IN FIVE ANIMAL POPULATIONS AFTER LONG-TERM EXPOSURE TO SANGUINE/SEAFARER ELF EM FIELDS IN NATURE 1647+

IMPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS. ONGOING STUDIES AT THE PROJECT SANGUINE WISCONSIN TEST FACILITY, 1973 1689+

OXYGEN CONSUMPTION IN FOUR SPECIES OF INVERTEBRATES AND A VERTEBRATE NATURALLY EXPOSED TO SANGUINE EM FIELDS 1706+

IMPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS 1759+

OXYGEN CONSUMPTION AND RESPIRATORY QUOTIENT IN FIVE ANIMAL POPULATIONS NATURALLY EXPOSED TO SANGUINE EM FIELDS 1763+

DO EXTREME LOW-FREQUENCY EM FIELDS AFFECT SOIL ARTHROPODS? ONGOING STUDIES AT THE WISCONSIN TEST FACILITY 1764+

EXTREMELY LOW FREQUENCY ANTENNA OPERATION: TESTS FOR POSSIBLE IMPACT ON FIVE NATURALLY EXPOSED ANIMAL POPULATIONS 1765+

IMPACT OF EXTREMELY LOW FREQUENCY EM FIELDS ON SOIL ARTHROPODS IN NATURE 1766+

SANGUINE/SEAFARER EXTREMELY LOW FREQUENCY EM FIELDS: EFFECT OF LONG-TERM EXPOSURE ON SOIL ARTHROPODS IN NATURE 1769+

SANGUINE EXTREME LOW FREQUENCY EM FIELDS: EFFECT OF LONG- TERM EXPOSURE ON SOIL ARTHROPODS AND OTHER ANIMALS IN NATURE 2160+

PROJECT SANGUINE: MONITORING POPULATIONS OF SOIL ANIMALS AT THE WISCONSIN TEST FACILITY 2276+

THE EFFECTS OF HIGH VOLTAGE TRANSMISSION LINES ON HONEYBEES: A FEASIBILITY STUDY 2545+

GREENBURG, D. S.

THE FRENCH CONCOCTION. 3246+

GREENE, F. M.

DEVELOPMENT AND CONSTRUCTION OF AN EM NEAR-FIELD SYNTHESIZER 0958+

DEVELOPMENT OF MAGNETIC NEAR-FIELD PROBES 1186+

DEVELOPMENT OF ELECTRIC AND MAGNETIC NEAR-FIELD PROBES 1263+

MEASUREMENT OF RF POWER-ABSORPTION IN BIOLOGICAL SPECIMENS (10 TO 100 MHZ) 1709+

DEVELOPMENT OF AN RF NEAR-FIELD EXPOSURE SYNTHESIZER (10 TO 40 MHZ) 1845+

A NEW NEAR-ZONE ELECTRIC-FIELD-STRENGTH METER 3527+

GREENE, J.

MICROWAVE DIATHERMY: THE INVISIBLE HEALER 0119+

GREENEBAUM, B. OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS. 0152

MITOTIC DELAY IN THE SLIME MOULD PHYSARUM POLYCEPHALUM INDUCED BY LOW INTENSITY 60 AND 75 HZ EM FIELDS 0907

EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM 1030

EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM, PHASE I: CONTINUOUS WAVE 1753

LONG-TERM EFFECTS OF WEAK 45-75 HZ EM FIELDS ON THE SLIME MOLD PHYSARUM POLYCEPHALUM 2182+

LONG TERM EFFECTS OF EM FIELDS ON PHYSARUM POLCEPHALUM 2473

EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS ON PHYSARUM POLYCEPHALUM 3147

GREENEBAUM, G.

BIOEFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS. 0149

GREGORY, W. D.

EVIDENCE OF MORPHOLOGICAL AND PHYSIOLOGICAL TRANSFORMATION OF MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS 0660

GREISER, J.

THE PERFORMANCE OF A NEW DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY
0047

GREISER, J. W.

THE DESIGN AND PERFORMANCE OF A CIRCULARLY POLARIZED DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY
2456

GREWAL, R. S.

EEG PATTERNS IN RELATION TO RESPIRATORY RATE AND BODY MOVEMENT IN MACACA-MULATTA
0734

GRIBOVA, I. A.

STATE OF THE BLOOD SYSTEM UNDER THE INFLUENCE OF SHF FIELDS OF VARIOUS INTENSITIES AND IN RADIOWAVE SICKNESS
1442

GRIFFIN, D. R.

THE RESISTANCE OF BATS TO JAMMING
3504+

GRIFFIN, D. W.

DESIGN AND APPLICATION OF SPECIAL MICROWAVE INTERFEROMETERS FOR NON-INVASIVE STUDIES OF BIOLOGICAL EFFECTS
2409+

GRIFFIN, J. L.

ORIENTATION OF EUGLENA BY RADIO-FREQUENCY FIELDS
1727+

ORIENTATION OF HUMAN AND AVIAN ERYTHROCYTES IN RADIO-FREQUENCY FIELDS
1728+

PEARL CHAIN FORMATION ACROSS RADIO FREQUENCY FIELDS
1730+

ORIENTATION OF MICROORGANISMS BY EM FIELDS: THEORY AND EXPERIMENT
1746

GRIGERA, J. R.

DIELECTRIC PROPERTIES OF HYDRATED COLLAGEN
0010+

GRIGOR EV, P. A.

CHANGES IN CONDUCTIVITY OF ALAMETICIN-MODIFIED PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)
0002 PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)
3433

GRIGOR'YEVA, V. D.

THERAPEUTIC ACTION OF PULSED CENTIMETER WAVES ON PATIENTS WITH DEFORMING OSTEOARTHROSIS.
0237+

GRIN, A. N.

EFFECT OF MICROWAVE RADIATION ON CEREBRAL CATECHOLAMINE METABOLISM (IN RUSSIAN)
0011+

EFFECT OF SMALL DOSES OF UHF EM WAVES ON SOME INDICES OF RENAL FUNCTION AND WATER-SALT METABOLISM (IN RUSSIAN)
1629+

EFFECTS OF SOME PHYSICAL ENVIRONMENTAL FACTORS ON INDICES OF WATER-SALT BALANCE (IN RUSSIAN)
2067+

GRINER, P. F.

EXTRACORPOREAL HEMOLYSIS OF BLOOD IN A MICROWAVE BLOOD WARMER
0721

GRINER, T. A.

A PRIMATE RESTRAINT CHAIR FOR USE IN MICROWAVE RADIATION STUDIES
1218

GRINHARG, A. G.

ULTRAHIGH-FREQUENCY THERAPY IN CERTAIN AFFECTIONS OF THE PERIPHERAL NERVOUS SYSTEM
3451+

GRINNEL, A. D.

THE RESISTANCE OF BATS TO JAMMING
3504

GRISSETT, J. D.

BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH ELF COMMUNICATIONS SYSTEMS.
0394+

TECHNIQUE FOR REDUCING THE AMBIENT ELECTRIC FIELD GENERATED BY INDUCTIVE VOLTAGES IN LOW FREQUENCY MAGNETIC FIELD GENERATORS
1210+

CENTRAL-NERVOUS-SYSTEM EFFECTS AS MEASURED BY REACTION TIME IN SQUIRREL MONKEYS EXPOSED FOR SHORT PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS
1297+

EXPOSURE OF SQUIRREL MONKEYS FOR LONG PERIODS TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS: CENTRAL-NERVOUS-SYSTEM EFFECTS AS MEASURED BY REACTION TIME
1752+

EXPOSURE OF MAN TO MAGNETIC FIELDS ALTERNATING AT EXTREMELY LOW FREQUENCY
3102

GRITSULYAK, B. V.

INFLUENCE OF SUPER HIGH-FREQUENCY EM FIELDS ON THE CAPILLARY BED, PARENCHYMA, AND SOME BIOCHEMICAL PROPERTIES OF RAT TESTES
1502

GRODSKY, I. T.

POSSIBLE PHYSICAL SUBSTRATES FOR THE INTERACTION OF EM FIELDS WITH BIOLOGIC MEMBRANES
1064+

BIOPHYSICAL BASES OF TISSUE INTERACTIONS
2427+

NEURONAL MEMBRANE: A PHYSICAL SYNTHESIS
2611+

GROMOV, O. M.

DEVICE FOR THE MEASUREMENT OF INDUSTRIAL FREQUENCY ELECTRIC FIELD INTENSITY
1935

GROMOVA, V. N.

EFFECT OF CENTIMETER WAVES AND INDUCTOTHERMY ON THE ADRENOCORTICAL FUNCTION OF CHILDREN WITH BRONCHIAL ASTHMA
0282

UHF TREATMENT AND CALCIUM ELECTROPHORESIS IN THE THERAPY OF PYELONEPHRITIS IN CHILDREN (IN RUSSIAN)
2072+

GROS, C. M.

NUMERICAL CALCULATION OF ELECTROMAGNETIC ENERGY AND TEMPERATURE DISTRIBUTION IN A MICROWAVE IRRADIATED BREAST CANCINOMA: PRELIMINARY RESULTS
0295

GROS, N.

EFFECT OF GRADUALLY MODULATED ELECTRICAL STIMULATION ON THE PLASTICITY OF ARTIFICIALLY EVOKED MOVEMENTS
2861

GROSFELD, J. L.

THE EFFECT OF HYPERTHERMIA ON SURVIVAL IN TRANSPLANTED LYMPHOSARCOMA
0019

GROSOF, G. M.

EFFECT OF MICROWAVES ON THE EYE
0449

GROSS, A. E.

THE EFFECT OF MICROWAVE EMR ON THE GROWTH OF MAMMALIAN CELLS IN TISSUE CULTURE
2514

GROVE, G.

INTEGRATING MILLIAMPERE-SECONDS METER, (FDA) 73-8004, BRH/DEP N73-1
3043

GROVE, H. M.

SOME BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION IN THE RAT
0496

GENERATION OF ACOUSTIC SIGNALS BY PULSED MICROWAVE ENERGY
0718

A MICROWAVE APPLICATOR FOR IN VIVO RAPID INACTIVATION OF ENZYMES IN THE CENTRAL NERVOUS SYSTEM
1034

BIOLOGICAL EFFECTS OF ELECTROMAGNETIC RADIATION A BIBLIOGRAPHY
2964+

DIGEST OF PAPERS, JOINT U.S. ARMY/GEORGIA INSTITUTE OF TECHNOLOGY MICROWAVE DOSIMETRY WORKSHOP, JUNE 1972
3057+

GROZA, P.

EFFECTS OF A HIGH-TENSION ELECTRIC FIELD ON THE SECRETION OF ANTIDIURETIC HORMONE IN RATS
1182

GRUMMAN AEROSPACE CORP.

SATELLITE SOLAR POWER STATION: AN OPTION FOR POWER GENERATION
2951

GRUNDLER, W.

RESONANT GROWTH RATE RESPONSE OF YEAST CELLS IRRADIATED BY WEAK MICROWAVES
2697+

GRUNNER, O.
DIFFERENTIAL EFFECTS OF EM FIELDS IN THE TREATMENT OF NEUROSES AND DEPRESSION 1232+
THE USE OF MAGNETIC FIELDS AND ELECTRONIC NOISE FOR THE THERAPY OF INSOMNIA AND NEUROSIS (IN CZECHOSLOVAKIAN) 1413+

GRUSZKA, W.
NERVOUS SYSTEM CHANGES IN WORKERS OF RADIOTELEVISION STATIONS EXPOSED TO MICROWAVES (IN POLISH) 1621

GUERGUIN-KERN, J. L.
MILLIMETER-WAVE THERMOGRAPHY: APPLICATION TO BREAST CANCER. 0234

GUHA, S. K.
ELECTRICAL FIELD DISTRIBUTION IN THE HUMAN BODY 0869+

GUIDOTTI, A.
FOCUSSED MICROWAVE RADIATION: A TECHNIQUE TO MINIMIZE POST MORTEM CHANGES OF CYCLIC NUCLEOTIDES, DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY 1326+

GUILLET, R.
INFLUENCE OF 2450 MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO 1155
NEUROENDOCRINE RESPONSES IN THE RAT AND DOG EXPOSED TO 2450 MHZ (CW) MICROWAVES 2676
THE INFLUENCE OF MICROWAVE EXPOSURE ON FUNCTIONAL MATURATION OF THE RAT 2706
THE EFFECT OF REPEATED MICROWAVE EXPOSURE ON NEONATAL RATS 2744+
THE EFFECT OF REPEATED MICROWAVE EXPOSURE IN NEONATAL RATS. 2885+

GULAYA, S.
VISUAL OBSERVATION OF RF MAGNETIC FIELDS USING CHOLESTERIC LIQUID CRYSTALS. 3364

GULLICK, H. D.
INHIBITION OF EXPERIMENTAL TUMOR GROWTH IN HAMSTERS BY SMALL DIRECT CURRENTS 2619

GUNDAKER, W. E.
A STUDY TO DETERMINE THE NECESSITY FOR THE DEVELOPMENT OF STANDARDS FOR THE USE OF SELECTED NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES 0756+
LABORATORY TESTING AND EVALUATION OF MICROWAVE OVENS, BRH/DEP 70-25 , 3034
A STUDY TO DETERMINE THE NECESSITY FOR USE OF SELECTED NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES, BRH/DEP 70-30 3037+

GUNN, S. A.
THE EFFECT OF MICROWAVE RADIATION ON MORPHOLOGY AND FUNCTION OF RAT TESTIS 2893+

GUNTER, G.
OBSERVATIONAL EVIDENCE THAT SHORTWAVE RADIATION GIVES ORIENTATION TO VARIOUS INSECTS MOVING ACROSS HARD- SURFACE ROADS 0916+

GUPTA, K. K.
A NON-INVASIVE, PARTIAL-BODY EXPOSURE METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF BIOLOGICAL SUBSTANCES AT MICROWAVE FREQUENCIES 0088

GUPTA, S.
NERVE IN EXCITABLE STATE IN MICROWAVE FIELD 0794

GUPTA, S. C.
NERVE IN EXCITABLE STATE IN MICROWAVE FIELD 0794
VARIATION IN THE SURFACE-CHARGE DENSITY OF AN EXCITABLE NERVE MEMBRANE EXPOSED TO OPTICAL RADIATION 1839

GURU, B. S.
EXPERIMENTAL AND THEORETICAL STUDIES ON EM FIELDS INDUCED INSIDE FINITE BIOLOGICAL BODIES 1239+
INDUCED EM FIELD AND ABSORBED POWER DENSITY INSIDE HUMAN TORSOS BY 1 TO 500 MHZ EM WAVES 1608
INDUCED EM FIELD AND ABSORBED POWER DENSITY INSIDE A HUMAN TORSO 1795
HYPERTHERMIA BY LOCAL EM HEATING AND LOCAL CONDUCTIVITY CHANGE 1909+
AN EXPERIMENTAL AND THEORETICAL STUDY ON THE INTERACTION OF EM FIELDS WITH ARBITRARILY SHAPED BIOLOGICAL BODIES 2070+
QUANTIFICATION AND MEASUREMENT OF INDUCED FIELDS INSIDE FINITE BIOLOGICAL BODIES 2187
FOCAL HYPERTHERMIA AS INDUCED BY RF RADIATION OF SIMULACRA WITH EMBEDDED TUMORS AND AS INDUCED BY EM FIELDS IN A MODEL OF A HUMAN BODY 2732
INDUCED EM FIELDS INSIDE HUMAN BODIES IRRADIATED BY EM WAVES OF UP TO 500 MHZ 2796
COUPLING BETWEEN SMALL THIN-WIRE ANTENNAS AND A BIOLOGICAL BODY 2827

GURVICH, G. I.
POSSIBILITY OF USING EMR'S OF THE MILLIMETER WAVELENGTH TO INTENSIFY THE BIOLOGICAL PROPERTIES OF BLOOD PROTEINS 2346

GUSAROV, V. D.
THE EFFECT OF A SUPER-HIGH FREQUENCY FIELD ON THE PHYSICAL TRAINING OF EXPERIMENTAL ANIMALS 1869+

GUSEVA, N. G.
EMPLOYMENT OF MAGNETOTHERAPY IN THE COMPLEX TREATMENT OF PATIENTS WITH ULCERS (IN RUSSIAN) 0325+

GUSEVA, T. F.
POSSIBILITY OF USING EMR'S OF THE MILLIMETER WAVELENGTH TO INTENSIFY THE BIOLOGICAL PROPERTIES OF BLOOD PROTEINS 2346

GUTMANN, R. J.
EFFECTS OF 2.6-4.0 GHZ MICROWAVE RADIATION ON E-COLI B 2797

GUTTMAN, F. M.
SURVIVAL OF CANINE KIDNEYS AFTER TREATMENT WITH DIMETHYLSULFOXIDE, FREEZING AT -80 DEGREES CELSIUS, AND THAWING BY MICROWAVE ILLUMINATION 2698+

GUY, A.
DEVELOPMENT OF A 915-MHZ DIRECT-CONTACT APPLICATOR FOR THERAPEUTIC HEATING OF TISSUES 0045+
EVALUATION OF A THERAPEUTIC DIRECT-CONTACT 915-MHZ MICROWAVE APPLICATOR FOR EFFECTIVE DEEP-TISSUE HEATING IN HUMANS 0049

GUY, A. W.
STUDY OF EFFECTS OF LONG-TERM LOW-LEVEL RF EXPOSURE ON RATS: A PLAN. 0400+
MINIATURE ANECHOIC CHAMBER FOR CHRONIC EXPOSURE OF SMALL ANIMALS TO PLANE-WAVE MICROWAVE FIELDS. 0420+
MICROWAVE THERAPY: STRAY RADIATION, SAFETY AND EFFECTIVENESS. 0427
MICROWAVE SELECTIVE BRAIN HEATING 0806
EM POWER DEPOSITION IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PHYSIOLOGIC CONSEQUENCES 0811+
ELECTROPHYSIOLOGICAL EFFECTS OF EM FIELDS ON ANIMALS 0875+
MEASUREMENTS OF MICROWAVE RADIATION 0897
TEMPERATURE DISTRIBUTION PRODUCED IN MODELS BY THREE MICROWAVE APPLICATORS AT 433.92 MHZ 0911
DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--II: CALCULATIONS OF ABSORBED DOSE DISTRIBUTIONS IN TWO SUZES OF MUSCLE-EQUIVALENT SPHERES 1027

GUY, A. W.

MICROWAVE INTERACTION WITH THE AUDITORY SYSTEMS OF HUMANS AND CATS 1046+

THE OCCULAR EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE CATARACTOGENIC MECHANISMS 1068

MICROWAVE-INDUCED ACOUSTIC EFFECTS IN MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERIALS 1072+

FUTURE RESEARCH DIRECTIONS AND NEEDS IN BIOLOGIC EM RADIATION RESEARCH 1105+

STUDY OF THE EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON RABBITS 1127+

ACUTE MICROWAVE IRRADIATION AND CATARACT FORMATION IN RABBITS AND MONKEYS 1128

ASSESSMENT OF THE EM FIELD COUPLING OF 915 MHZ OVEN LEAKAGE TO HUMAN SUBJECTS BY THERMOGRAPHIC STUDIES ON PHANTOM MODELS 1153

MICROWAVE-INDUCED COCHLEAR MICROPHONICS IN CATS 1158

EFFECT OF MICROWAVE FIELDS ON MUSCLE CONTRACTION 1190

A NEW TECHNIQUE FOR MEASURING POWER DEPOSITION PATTERNS IN PHANTOMS EXPOSED TO EM FIELDS OF ARBITRARY POLARIZATION-- EXAMPLE, THE MICROWAVE OVEN 1192+

COCHLEAR MICROPHONICS GENERATED BY MICROWAVE PULSES 1207

DETERMINATION OF POWER ABSORPTION IN MAN EXPOSED TO HIGH FREQUENCY EM FIELDS BY THERMOGRAPHIC MEASUREMENTS ON SCALE MODELS 1246+

QUANTITATION OF INDUCED EM FIELD PATTERNS IN TISSUE AND ASSOCIATED BIOLOGIC EFFECTS 1261+

MICROWAVE INDUCED TEMPERATURE RISES IN RABBIT EYES IN CATARACT RESEARCH 1271

HIGH FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIALS 1293+

EFFECT OF 2450-MHZ RADIATION ON THE RABBIT EYE 1301+

MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION 1327

A NOTE ON EMP SAFETY HAZARDS 1333+

BIOPHYSICS--ENERGY ABSORPTION AND DISTRIBUTION 1598+

ENGINEERING CONSIDERATIONS AND MEASUREMENTS 1601+

A METHOD FOR EXPOSING CELL CULTURES TO EM FIELDS UNDER CONDITIONS OF CONTROLLED TEMPERATURE AND FIELD STRENGTH 1686+

CRITICAL COMPARISONS OF RF FIELD DELIVERY METHODS TO THERMAL RESPONSES OF MODELS AND EXPERIMENTAL ANIMALS 1687+

A SYSTEM FOR QUANTITATIVE CHRONIC EXPOSURE OF A POPULATION OF RODENTS TO UHF FIELDS 1693+

POWER DEPOSITION IN A SPHERICAL MODEL OF MAN EXPOSED TO 1-20-MHZ EM FIELDS 1700

THERMOGRAPHIC MEASUREMENT OF POWER ABSORPTION DENSITIES IN SPHEROIDAL TISSUE STRUCTURES AND PHANTOM MODELS OF MAN EXPOSED TO HIGH FREQUENCY EM FIELDS 1740+

BEHAVIORAL CHANGES OF RATS EXPOSED TO MICROWAVE RADIATION 1848

QUANTITATION OF MICROWAVE RADIATION EFFECTS ON THE EYES OF RABBITS AT 2450 MHZ AND 918 MHZ 1858+

MEASUREMENT OF ABSORBED POWER PATTERNS IN THE HEAD AND EYES OF RABBITS EXPOSED TO TYPICAL MICROWAVE SOURCES 1864+

CORRESPONDENCE ON D. R. JUSTESEN'S 'PRESCRIPTIVE GRAMMAR FOR THE RADIOBIOLOGY OF NONIONIZING RADIATION' 1906

MECHANISM OF MICROWAVE CATARACTOGENESIS IN RABBITS 2150

MICROWAVE-INDUCED AUDITORY RESPONSE--COCHLEAR MICROPHONICS 2153

DISCRIMINATIVE CONTROL OF APPETITIVE BEHAVIOR BY PULSED MICROWAVE RADIATION IN RATS 2164

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION IN RATS 2165

THE NUMERICAL THERMAL SIMULATION OF THE HUMAN BODY WHEN ABSORBING NON-IONIZING MICROWAVE IRRADIATION--WITH EMPHASIS ON THE EFFECT OF DIFFERENT SWEAT MODELS 2191

EFFECT OF 2450 MHZ MICROWAVE FIELDS ON PERIPHERAL NERVES 2384

THEORETICAL AND EXPERIMENTAL STUDI&S OF MICROWAVE INDUCED CATARACTS IN RABBITS 2386

MICROWAVE EFFECTS ON CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL FACTORS 2388

PROBLEMS OF DOSIMETRY AND DOSIMETRIC TECHNIQUES 2428+

MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION 2436

CONDITIONED TASTE AVERSIONS IN THE RAT INDUCED BY A SINGLE EXPOSURE TO MICROWAVES 2444

IN-VITRO RESPONSE OF LYMPHOCYTE CULTURES EXPOSED TO RF RADIATION: PROGRESS REPT. ON FEASIBILITY AND DETERMINATION OF CRITICAL VARIABLES 2613

QUANTITATION OF MICROWAVE BIOLOGICAL EFFECTS 2665

EFFECTS OF PRE-AND POST-NATAL EXPOSURES TO 918 MHZ MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVIOR IN RATS 2700

RF CELL CULTURE IRRADIATION SYSTEM WITH CONTROLLED TEMPERATURE AND FIELD STRENGTH 2728+

IRRADIATION OF RATS BY 918-MHZ MICROWAVES AT 2.5 MW/CM SQUARED: DELINEATING THE DOSE-RESPONSE RELATIONSHIP 2746

CHARACTERISTICS OF MICROWAVE-INDUCED COCHLEAR MICROPHONICS 2757

RF RADIATION ABSORPTION PATTERNS: HUMAN AND ANIMAL MODELING DATA 2792+

THERMOGRAPHIC AND BEHAVIORAL STUDIES OF RATS IN THE NEAR FIELD OF 918-MHZ RADIATIONS 2818

MEASUREMENT OF POWER ABSORBED IN THE TISSUES OF MAN AND ANIMALS EXPOSED TO EM FIELDS 2840+

IRRADIATION OF RATS BY LOW LEVEL 918 MHZ MICROWAVES: DELINEATING THE DOSE-RESPONSE RELATIONSHIP. 2911

ANALYSES OF ELECTROMAGNETIC FIELDS INDUCED IN BIOLOGICAL TISSUES BY THERMOGRAPHIC STUDIES ON EQUIVALENT PHANTOM MODELS 2946+

ELECTROMAGNETIC FIELDS AND RELATIVE HEATING PATTERNS DUE TO A RECTANGULAR APERTURE SOURCE IN DIRECT CONTACT WITH BILAYERED BIOLOGICAL TISSUE 2947+

MICROWAVE HEATING OF SIMULATED HUMAN LIMBS BY APERTURE SOURCES 2948

RESEARCH NEEDED FOR SETTING OF REALISTIC SAFETY STANDARDS 2981+

NONIONIZING ELECTROMAGNETIC WAVE EFFECTS IN BIOLOGICAL MATERIALS AND SYSTEMS. 3215

ELECTROMAGNETIC INTERACTIONS WITH BIOLOGICAL MATERIALS 3232+

ON THE DETERMINATION OF AN OPTIMUM MICROWAVE DIATHERMY FREQUENCY FOR A DIRECT CONTACT APPLICATOR. 3284+

STUDIES ON THERAPEUTIC HEATING BY ELECTROMAGNETIC ENERGY. 3318+

ANALYSES OF THERAPEUTIC HEATING DUE TO A GENERAL ELECTROMAGNETIC APERTURE SOURCE. 3326+

COMPARATIVE EVALUATION OF ELECTROMAGNETIC DIATHERMY MODALITIES IN 433 MHZ. TO 2450 MHZ.. 3327+

A COMPARATIVE EVALUATION OF TEMPERATURE DISTRIBUTIONS PRO-

DUCED BY MICROWAVES AT 2,456 AND 900 MEGACYCLES IN GEOMETRICALLY COMPLEX SPECIMENS. 3328

COMPARISON OF RELATIVE HEATING PATTERNS PRODUCED IN TISSUES BY EXPOSURE TO MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AND 900 MEGACYCLES. 3329

TEMPERATURE DISTRIBUTIONS AS PRODUCED BY MICROWAVES IN SPECIMENS UNDER THERAPEUTIC CONDITIONS 3545

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION - II: CALCULATIONS OF ABSORBED DOSE DISTRIBUTIONS IN TWO SIZES OF MUSCLE-EQUIVALENT SPHERES 3600

ELECTROPHYSIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS ON ANIMALS 3610+

GYORGY, E. M.
MICROWAVE MEASUREMENTS OF THE LOSS IN LOW-LOSS DIELECTRICS. 3331

H

HAAS, H.
ELECTRICAL SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS 3428

HABAL, M. B.
INHIBITION OF EXPERIMENTAL TUMOR GROWTH IN HAMSTERS BY SMALL DIRECT CURRENTS 2619

HABERKORN, R.
ON THE MECHANISM OF MAGNETIC FIELD EFFECTS IN BACTERIAL PHOTOSYNTHESIS. 0151+

HABESHAW, J. A.
DEPRESSION OF PHAGOCYTOSIS: A NON-THERMAL EFFECT OF MICROWAVES RADIATION AS A POTENTIAL HAZARD TO HEALTH [illegible]19

HADUCH, S.
ELECTROENCEPHALOGRAPHIC STUDIES IN PERSONS EXPOSED TO MICROWAVES (PRELIMINARY REPT.) 1944

BIOLOGICAL EFFECTS OF CM-WAVES AND DM-WAVES 3476+

HAFFNER, J. D.
COMMUNICATION IN BIRD FLOCKS: AN EM MODEL 1671

HAFIZ, S. A.
NEAR ZONE MICROWAVE EXPOSURE OF A BIOLOGICAL SPHERE 1309

HAGAN, G. J.
USE OF A DIELECTRIC LENS FOR EXPERIMENTAL MICROWAVE IRRADIATION OF THE EYE 1067

ASSESSING MICROWAVES AS A HAZARD TO THE EYE--PROGRESS AND PROBLEMS 1257

MICROWAVE IRRADIATION DESIGN USING DIELECTRIC LENSES 1697

CHRONIC LOW-LEVEL EXPOSURE OF RABBITS TO MICROWAVES 2156

RELATIVE CATARACTOGENIC POTENCIES OF TWO MICROWAVE FREQUENCIES (2.45 AND 10 GHZ) 2157+

ARE MICROWAVE CATARACTS THERMALLY CAUSED? 2684

HAGGIS, G. H.
ESTIMATION OF PROTEIN HYDRATION BY DIELECTRIC MEASUREMENTS AT MICROWAVE FREQUENCIES 0489+

HAGMANN, M. J.
ELECTROMAGNETIC ABSORPTION IN A MULTILAYERED MODEL OF MAN. 0127

NUMERICAL STUDIES OF ABSORPTION OF ELECTROMAGNETIC ENERGY BY MAN. 0153+

RADIATORS FOR MICROWAVE BIOLOGICAL EFFECTS RESEARCH-- WAVEGUIDE SLOT ARRAY WITH CONSTANT RADIATION INTENSITY 2740+

HAHN, E. W.
SELECTIVE HEATING OF CUTANEOUS HUMAN TUMORS AT 27.12 MHZ 0048

CLINICAL AND BIOLOGICAL STUDIES OF LOCALIZED HYPERTHERMIA. 0161

SINGLE DOSE X-IRRADIATION AND CONCOMITANT HYPERTHERMIA ON A RADIORESISTANT FIBROSARCOMA IN THE MOUSE 2335+

LOCAL TUMOR HYPERTHERMIA IN COMBINATION WITH RADIATION THERAPY. 1.MALIGNANT CUTANEOUS LESIONS 2618

HAHN, G. M.
HEAT IN TUMOR THERAPY 0648+

TUMOR CURE AND CELL SURVIVAL AFTER LOCALIZED RADIOFREQUENCY HEATING 2120

HAHN, H.
THE ELECTRICAL ENHANCEMENT OF PERIOSTEAL PROLIFERATION IN NORMAL AND DELAYED FRACTURE HEALING 2782

HAHN, N.
TUMOR CURE AND CELL SURVIVAL AFTER LOCALIZED RADIOFREQUENCY HEATING 2120

HAIDT, S. J.
THE EFFECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE 2385+

THE EFFECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE 2892+

EFFECT OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON THE INCIDENCE OF CATARACT FORMATION 3021+

HAKES, S. D.
INSTRUMENTATION TECHNIQUES FOR MEASURING THE EFFECTS OF ELECTRIC AND MAGNETIC FIELDS ON INSECTS IN MOTION 1674

HAKKI, B. W.
A DIELECTRIC RESONATOR METHOD OF MEASURING INDUCTIVE CAPACITIES IN THE MILLIMETER RANGE. 3340+

HAKKINEN, A.
SIMULTANEOUS APPLICATION OF PULSED HIGH FREQUENCY CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA CELLS 1281+

HALBERG, F.
CIRCADIAN RHYTHMS IN PLANTS, INSECTS AND MAMMALS EXPOSED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENTS 1781+

HALE, J. R.
EM FORCES AND CIRCADIAN RHYTHMS 1166

HALGAS, F. A. FOR USE IN BIOLOGICAL DIELECTRICS. 0168

HALL, B.
USE OF TRANSCUTANEOUS ELECTRICAL STIMULATION IN THE CONTROL OF POSTOPERATIVE PAIN 1926

HALL, D. G.
HEAT IN MALE CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROWAVE, AND ULTRASOUND) 0932

HALL, G.
SELECTIVE TUMOR HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY. 0364

HALLENGA, K.
DIELECTRIC PROPERTIES OF HYDRATED COLLAGEN 0010

HALTER, S.
EM FIELDS AND SKIN WOUND REPAIR 0904

HAM, W. T.
RETINAL SENSITIVITY TO SHORT WAVELENGTH LIGHT 1248

CONSIDERATIONS IN THE EVALUATION OF THE BIOLOGICAL EFFECTS OF EXPOSURE TO MICROWAVE RADIATION 3389

HAMBRECHT, F. T.
FUNCTIONAL ELECTRICAL STIMULATION 0078+

HAMBRICK, P. E.
EXPOSURE OF BACTERIA TO 2450 MHZ MICTOWAVE RADIATION 2993+

HAMBURGER, A. C.
EFFECT OF MICROWAVE OVEN ON IMPLANTED CARDIAC PACEMAKER 0513

HAMBURY, H. J.
INTERDISCIPLINARY APPROACHES IN ELECTRICALLY MEDIATED BONE GROWTH STUDIES 2240+

HAMER, J.
EFFECT OF LOW-LEVEL, LOW-FREQUENCY ELECTRIC FIELDS ON EEG AND BEHAVIOR IN MACACA NEMESTRINA 0831

HAMER, J. R.
EFFECTS OF LOW LEVEL, LOW FREQUENCY ELECTRIC FIELDS ON HUMAN REACTION TIME 1032+

HAMI, D.
THE INCREASED EFFECTIVENESS OF CANCER CHEMOTHERAPEUTIC AGENTS WHEN COMBINED WITH SIMULTANEOUS MICROWAVE IRRADIATION 2325

HAMID, M. A.
EFFECTS OF MICROWAVE RADIATIONS ON HATCHABILITY AND GROWTH OF TURKEYS 1974
EFFECTS OF MICROWAVE RADIATION ON EGGS, EMBRYOS AND CHICKENS 2059
CONTROL OF GRAIN INSECTS BY MICROWAVE POWER 3066+
THE EFFECTS OF MICROWAVES ON GREEN ALGAE 3235+

HAMILTON, M.
MICROWAVES - NO CAUSE FOR HYSTERIA 0419+

HAMILTON, T. C.
MEASUREMENTS OF CONTRACTION LATENCIES TO MECHANICAL AND ELECTRICAL STIMULATION OF THE PROTOZOAN, SPIROSTOMUM AMBIGUUM 2475+
QUANTITATIVE EVIDENCE FOR PROTEIN DENATURATION AS THE CAUSE OF THERMAL DEATH 3500

HAMLIN, H.
TEREOTACTIC RADIOFREQUENCY HYPOPHYSECTOMY 3436

HAMMER, W. C.
THERMOGRAPHIC COMPARISON OF TEMPERATURE PROBES USED IN MICROWAVE DOSIMETRY STUDIES 0265

HAMNERIUS, Y.
RETINAL DAMAGE EXPERIMENTALLY INDUCED BY MICROWAVE RADIATION AT 55 MW/CM2 0181
A NEGATIVE TEST FOR MUTAGENIC ACTION OF MICROWAVE RAD. IN DROSOPHILA MELANOGASTER 0368+
THE EFFECTS OF MICROWAVE RADIATION ON MICROTUBULES AND AXONAL TRANSPORT 2064

HAMRICK, P. E.
EXPOSURE OF BACTERIA TO 2450 MHZ MICROWAVE RADIATION 0793+
EXPOSURE OF RABBIT ERYTHROCYTES TO MICROWAVE RADIATION 0903+
SOME EFFECTS OF EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIATION 1088
EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45 GHZ MICROWAVE RADIATION DURING THE SECOND DAY OF DEVELOPMENT 1321+
THERMAL DENATURATION OF DNA EXPOSED TO 2450 MHZ CW MICROWAVE RADIATION 1972+
EXPOSURE OF JAPANESE QUAIL EMBRYOS TO 2.45-GHZ MICROWAVE RADIATION DURING DEVELOPMENT 2547
HUMORAL IMMUNITY OF JAPANESE QUAIL SUBJECTED TO MICROWAVE RADIATION DURING EMBRYOGENY 2589+
RAT LYMPHOCYTES IN CELL CULTURE EXPOSED TO 2450 MHZ (CW) MICROWAVE RADIATION 2799+

HANAI, T.
DIELECTRIC PROPERTIES OF SYNAPTOSOMES ISOLATED FROM RAT BRAIN CORTEX 1933
A METHOD FOR DETERMINING THE DIELECTRIC CONSTANT AND THE CONDUCTIVITY OF MEMBRANE-BOUNDED PARTICLES OF BIOLOGICAL RELEVANCE 1934+

HANCOCK, J. T.
EVALUATION OF ELECTRICAL ENVIRONMENTAL EFFECTS OF A PROPOSED +400 KV DC HIGH VOLTAGE TRANSMISSION LINE AND A PROPOSED 345 KV AC HIGH VOLTAGE TRANSMISSION LINE 3167+

HAND, J. W. BOLUS FOR MICROWAVE HEATING OF TISSUES. 0154+
A MICROWAVE HEATING SYSTEM FOR IMPROVING TEMPERATURE UNIFORMITY IN HEATED TISSUE 0238+
TECHNICAL NOTE: A MULTI-CHANNEL SYSTEM FOR MICROWAVE HEATING OF TISSUES 0422+
TECHNIQUES IN MICROWAVE AND RADIOFREQUENCY HEATING OF TISSUES 2699+
MICROWAVE HEATING PATTERNS IN SIMPLE TISSUE MODELS 2705+

HANKIN, N. N.
RESULTS OF THE EPA ENVIRONMENTAL RF RADIATION MEASUREMENTS PROGRAM 0075
MEASUREMENTS OF RADIOFREQUENCY FIELD INTENSITY IN BUILDINGS WITH CLOSE PROXIMITY TO BROADCAST STATIONS 0108
NONIONIZING RADIATION MEASUREMENT CAPABILITIES: STATE AND FEDERAL AGENCIES 0755+
AN EVALUATION OF SELECTED SATELLITE COMMUNICATION SYSTEMS AS SOURCES OF ENVIRONMENTAL MICROWAVE RADIATION 1284+
ASSESSING THE POTENTIAL FOR EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES 1422+
RADIATION CHARACTERISTICS OF TRAFFIC RADAR SYSTEMS 1702+
AN AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSITIES II 1717
NONIONIZING RADIATION EXPOSURE IN URBAN AREAS OF THE UNITED STATES 2096
AN EXAMINATION OF ELECTRIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES 2609
RADIO-FREQUENCY RADIATION LEVELS IN URBAN AREAS 2734
AN AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSITIES 3094
AN EVALUATION OF SELECTED SATELLITE COMMUNICATION SYSTEMS AS SOURCES OF ENVIRONMENTAL MICROWAVE RADIATION. 3237+
ASSESSING THE POTENTIAL FOR EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES. 3251+

HANLON, J. J.
FEDERAL RESPONSIBILITY IN RADIOLOGICAL HEALTH 1521+

HANNAH, S.
CONTINUOUS MONITOR OF DANGEROUS LEVELS OF MICROWAVE POWER 0800+

HANNEMAN, R. J.
THERMAL ANALYSIS AND DESIGN CONSIDERATIONS FOR A DUEL-BEAM MICROWAVE APPLICATOR FOR HYPERTHERMIA RESEARCH 0156+

HANSEN, R. C.
CIRCULAR-APERTURE AXIAL POWER DENSITY 3182+

HANSSON, H. A.
RETINAL DAMAGE EXPERIMENTALLY INDUCED BY MICROWAVE RADIATION AT 55 MW/CM2 0181

HAR-KEDAR, I.
EXPERIMENTAL AND CLINICAL ASPECTS OF HYPERTHERMIA APPLIED TO THE TREATMENT OF CANCER WITH SPECIAL REFERENCE TO THE

ROLE OF ULTRASONIC AND MICROWAVE HEATING
1225+

HARAN, M. E.
SURVEY OF USE AND PERFORMANCE OF ULTRASONIC THERAPY EQUIPMENT IN PINELLAS COUNTY, FLA.
0638

HARDEE, P. C.
COMPLEX PERMITTIVITY AND PENETRATION DEPTH OF MUSCLE AND FAT TISSUES BETWEEN 40 AND 90 GHZ
1234

THERMOGRAPHY AT MILLIMETER WAVELENGTHS
1696

COMPLEX PERMITTIVITY AND PENETRATION DEPTH OF CERTAIN BIOLOGICAL TISSUE BETWEEN 40 AND 90 GHZ
3243

HARDEMAN, L. J.
MICROWAVE OVEN LEAKAGE: FEDERAL REGULATIONS SOON
0488+

HARDING, R. K.
EFFECTS OF 2450 MHZ MICROWAVES ON MOUSE TESTICULAR CYTOLOGY
2894

HARDINGHAM, T. E.
ELECTRIC BIREFRINGENCE STUDIES OF CARTILAGE PROTEOGLYCAN AGGREGATION
2399

HARDY, H.
CATARACTS AND ULTRA-HIGH-FREQUENCY RADIATION
3607

HARDY, J. D.
MEASUREMENT OF SOME THERMAL PROPERTIES OF HUMAN TISSUES
3514

HARDY, R.
USE OF TRANSCUTANEOUS ELECTRICAL STIMULATION IN THE CONTROL OF POSTOPERATIVE PAIN
1926

HARKINS, S. W.
BRAIN EVOKED POTENTIALS ARE FUNCTIONAL CORRELATES OF INDUCED PAIN IN MAN
0138

HARLEN, F.
A REVIEW OF SELECTED BIOLOGICAL EFFECTS AND DOSIMETRIC DATA USEFUL FOR DEVELOPMENT OF RADIOFREQUENCY SAFETY STANDARDS FOR HUMAN EXPOSURE
0439

HARLOW, M. C.
HEALING OF NONUNION OF THE MEDIAL MALLEOLUS BY MEANS OF DIRECT CURRENT: A CASE REPT.
1013

HARMAN, J.
ENHANCEMENT OF IONIZING RADIATION EFFECT ON THE TESTES OF RATS BY MICROWAVE OR ULTRASOUND-INDUCED HYPERTHERMIA
0125

HEAT IN MALE CONTRACEPTION (HOT WATER 60 DEGREES CELSIUS, INFRARED, MICROWAVE, AND ULTRASOUND)
0932

HARMS, M. S.
FAST FIXATION OF BRAIN IN SITU BY HIGH INTENSITY MICROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL STUDIES
1123

HARNISH, T. D.
THE PSYCHOLOGIC CONSEQUENCES OF EXPOSURE TO HIGH DENSITY PULSED EM ENERGY
2084

HARRIE, G. R.
A REVIEW OF IN-LINE RF POWER METERS FOR USE WITH ULTRASONIC INSTRUMENTATION, (FDA) 73-8030, BRH/DEP N73-3
3044+

HARRIMAN, D. G.
THE EFFECTS OF PULSED EM ENERGY ON PERIPHERAL NERVE REGENERATION
1054

HARRINGTON, D. B.
ELECTRICAL STIMULATION OF RNA AND PROTEIN SYNTHESIS IN THE FROG ERYTHROCYTE
1808+

HARRIS, A. J.
CHANGES IN PERIPHERAL BLOOD FLOW PRODUCED BY SHORT-WAVE DIATHERMY
0620

HARRIS, C.
STUDY OF THE EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON RABBITS
1127

ACUTE MICROWAVE IRRADIATION AND CATARACT FORMATION IN RABBITS AND MONKEYS
1128

MECHANISM OF MICROWAVE CATARACTOGENESIS IN RABBITS
2150

HARRIS, G. R.
SURVEY OF USE AND PERFORMANCE OF ULTRASONIC THERAPY EQUIPMENT IN PINELLAS COUNTY, FLA.
0638

HARRIS, J. Y.
ELECTRONIC PRODUCT INVENTORY STUDY, BRH/DEP 70-29 SELECTED NON-MEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES, BRH/DEP 70-30
3036+

HARRIS, P.
SOVIET JAMMING PROMPTS NEW HEALTH QUESTIONS
0646+

EFFECTS OF NON-IONIZING RADIATION GIVEN PRIORITY STATUS BY CONGRESS
2468+

HARRIS, P. A.
MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA
1963

HARRIS, R. F.
RESPONSE OF PLANTS AND SOIL MICROORGANISMS TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS
1761

HARRIS, W. H.
DIFFERENTIAL RESPONSE TO ELECTRICAL STIMULATION: A DISTINCTION BETWEEN INDUCED OSTEOGENESIS IN INTACT TIBIAE AND THE EFFECT ON FRESH FRACTURE DEFECTS IN RADII
2773+

HARRISON, E. A.
BIOLOGICAL EFFECTS OF MICROWAVES (A BIBLIOGRAPHY WITH ABSTRACTS)
2251+

HARRISON, R.
STUDIES OF THE INFLUENCE OF WAVELENGTH ON BIOLOGICAL EFFECTS
2508

HARRISON, W. H.
NORMAL TISSUE & SOLID TUMOR EFFECTS OF HYPERTHERMIA IN ANIMAL MODELS AND CLINICAL TRIALS
0190

A MINIATURE HIGH-Q BANDPASS FILTER EMPLOYING DIELECTRIC RESONATORS
3353+

HART, A. R.
RF SUSCEPTIBILITY OF MICROELECTRONIC COMPONENTS
1197+

HART, F. X.
SPACE OSTEOPOROSIS: AN ELECTROMAGNETIC HYPOTHESIS
0175

EVALUATION OF ELECTROCHEMICAL INFORMATION TRANSFER SYSTEM, PART I: EFFECT OF ELECTRIC FIELDS ON LIVING ORGANISMS
0696

EFFECT OF CONTINUOUS EXPOSURE TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON RATS
1421

ENERGY FLUX ALONG HIGH VOLTAGE TRANSMISSION LINES
1964+

ELECTROSTATIC FIELD INDUCED CHANGES IN MOUSE SERUM PROTEINS
2050

HARTE, C.
MUTAGENESIS BY RADIOWAVES IN ANTIRRHINUM MAJUS L.
1377+

HARTELL, W. K.
PROJECT SANGUINE'S ENVIRONMENTAL COMPATIBILITY ASSURANCE PROGRAM
2275+

HARTMAN, F.
THE PATHOLOGY OF HYPERPYREXIA
1564+

HARTMUTH, V. L.
DIE DIELEKTRISCHEN EIGENSCHAFTEN BIOLOGISCHER SUBSTANZEN IM DEZIMETERWELLEN-BEREICH
3485+

HARTNAGEL, H.
CONTINUOUS MONITOR OF DANGEROUS LEVELS OF MICROWAVE POWER
0800

A MINIATURE PORTABLE MICROWAVE POWER MONITOR
1146

HARTRANFT, J.
A SURVEY OF RESIDENTIAL AND COMMMERCIAL MICROWAVE OVENS IN ORANGE COUNTY, CALIF.
0683

HARTZELL, R. H.

THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS
1779

THE EFFECT OF 1.6 GHZ RADIATION ON NEUROTRANSMITTERS IN DISCRETE AREAS OF THE RAT BRAIN
2169

ORIENTATION EFFECTS ON MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHEMICAL CORRELATES
2800

HARVALIC, Z. V.

ANATOMICAL LOCALIZATION OF HUMAN DETECTION OF WEAK EMR: EXPERIMENTS WITH DOWSERS
0155 +

HARZMANN, R.

HIGH-FREQUENCY HYPERTHERMIA IN CARCINOMA OF THE URINARY BLADDER: EXPERIMENTAL AND CLINICAL RESULT. (IN GERMAN)
0216

HASEMAN, J. K.

THE TRANSMISSION OF REFLEXES IN THE SPINAL CORD OF CATS DURING DIRECT IRRADIATION WITH MICROWAVES
1639

HASHISH, E.

AN UPPER BOUND ON COEFFICIENT OF TRANSMISSION OF MICROWAVE LEAKAGE INTO BIOLOGICAL TISSUES
1150

HASSLER, C. R.

STUDIES OF ENHANCED BONE HEALING VIA ELECTRICAL STIMULI: COMPARATIVE EFFECTIVENESS OF VARIOUS PARAMETERS
2771 +

HASTED, J. B.

ESTIMATION OF PROTEIN HYDRATION BY DIELECTRIC MEASUREMENTS AT MICROWAVE FREQUENCIES
0489

DIELECTRIC PROPERTIES OF AQUEOUS IONIC SOLUTIONS,PART I.
3197 +

HIGH-FREQUENCY DIELECTRIC PROCESSES IN LIQUIDS.
3250

THE DIELECTRIC PROPERTIES OF WATER AND HEAVY WATER
3439

HATHAWAY, J. A.

OCULAR MEDICAL SURVEILLANCE ON MICROWAVE AND LASER WORKERS
2112 +

HATHAWAYS, J. W.

THE EFFECT OF PULSED, SHORT WAVES ON ALVEOLAR HEALING
0812

HAUBER, M. E.

THE EFFECT OF RADAR ON CARDIAC PACEMAKERS
1316

HAUF, G.

RESEARCH ON THE EFFECTS OF ELECTRICAL POWER INDUSTRY FIELDS ON MAN
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HAUF, R.

INFLUENCE OF EM FIELDS ON MAN
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EFFECTS OF 50 HZ ALTERNATING FIELDS ON HUMANS
1177 +

INFLUENCE OF 50 HZ ALTERNATING ELECTRIC AND MAGNETIC FIELDS ON HUMAN BEINGS
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BIOLOGICAL EFFECTS OF TECHNICAL ELECTRIC AND EM VLF FIELDS
2126 +

HAUSER, S. S.

EFFECT OF ELECTRIC FIELDS ON GROWTH RATE OF EMBRYONIC CHICK TIBIAE IN VITRO
0592

HAWKINS, R. A.

FOCUSSED MICROWAVE RADIATION: A TECHNIQUE TO MINIMIZE POST MORTEM CHANGES OF CYCLIC NUCLEOTIDES, DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY
1326

HAWKINS, T. D.

SOME BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION IN THE RAT
0496 +

LETHAL EFFECTS OF 3000 MHZ RADIATION ON THE RAT
1866

MICROWAVE ALTERATION OF THE BLOOD-BRAIN BARRIER SYSTEM OF RATS
2015

INTERACTION OF MICROWAVE FREQUENCY AND POLARIZATION WITH ANIMAL SIZE
2196

ORIENTATION AND FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF MICROWAVES–LETHALITY EXPERIMENTS
2378 +

BIOLOGICAL EFFECTS AND HAZARDS OF MICROWAVE RADIATION
2616

HAYAKAWA, R.

DIELECTRIC RELAXATION OF COLLAGEN IN AQUEOUS SOLUTIONS
0031

HAYWARD, R. A.

SCATTERED MICROWAVE FIELDS NEAR A FINITE, PLANAR, DIELECTRIC SLAB
2720

HEALER, H. J.

FEDERAL PROGRAM ON BIOLOGICAL EFFECTS OF ELECTROMAGNETIC ENERGY
3002 +

HEALER, J.

REVIEW OF STUDIES OF PEOPLE OCCUPATIONALLY EXPOSED TO RADIO FREQUENCY RADIATION
1532 +

CITATION INDEX FOR FOREIGN LANGUAGE REPORTS ON BIOLOGICAL EFFECTS OF RADIO-FREQUENCY ELECTROMAGNETIC FIELDS
2254 +

BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF RADIO-FREQUENCY EM FIELDS (WITH SPECIAL ANALYTICAL AIDS)
2557 +

SOME BIOLOGICAL EFFECTS OF RADIO-FREQUENCY RADIATION
3606 +

HEARON, J. Z.

HEATING CHARACTERISTICS OF LAB ANIMALS EXPOSED TO TEN-CENTIMETER MICROWAVES
0473

HEATH, J.

INTERFERENCE HAZARDS WITH AUSTRALIAN NON-COMPETITIVE ('DEMAND') PACEMAKERS
3580

HEATON, A. G.

THE DISSIPATION OF MICROWAVES AS HEAT IN THE EYE
1531

HEDENIUS, P.

SOME PRELIMINARY INVESTIGATIONS ON THE THERAPEUTIC EFFECT OF PULSED SHORT WAVES IN INTERMITTENT CLAUDICATION
0490 +

HEEBELS, G. H.

PRELIMINARY INVESTIGATIONS OF THE EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RATS
1083

HEGGENESS, F. W.

INFLUENCE OF 2450 MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO
1155

THE INFLUENCE OF MICROWAVE EXPOSURE ON FUNCTIONAL MATURATION OF THE RAT
2706

HEIBEL, J. T.

MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA I–FIELD TESTS
2995 +

MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA II–LABORATORY TESTS
2996

HEIM, H. C.

BIOMEDICAL EFFECTS OF EXPOSURE TO EMR. PART II: BIOMEDICAL EFFECTS ON THE EYE FROM EXPOSURE TO MICROWAVES AND IONIZING RADIATIONS
1215

HEIMER, G.

NEW TECHNIQUES FOR MICROWAVE RADIATION HAZARD MONITORING
0539

HEIMER, G. M.

DETERMINATION AND ELIMINATION OF HAZARDOUS MICROWAVE FIELDS ABOARD NAVAL SHIPS
0485

HEINKELMANN, W.

EXPERIMENTAL STUDIES ON THE USE OF MICROWAVE FOR THE LOCALIZED HEAT TREATMENT OF THE PROSTRATE
0268

HEIPLE, T. W.

SOME BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION IN THE RAT
0496

HELLER, J. H.

A NEW PHYSICAL METHOD OF CREATING CHROMOSOMAL ABERRATIONS
0491 +

NON-THERMAL EFFECTS OF RADIO FREQUENCY IN BIOLOGICAL SYSTEMS
0492 +

EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COLLOIDS
0662

NON-THERMAL HAZARDS OF EXPOSURE TO RADIO FREQUENCY FIELDS. MICROWAVE STUDIES
0967

REVIEW OF WORK ACCOMPLISHED AT THE NEW ENGLAND INST. FOR MEDICAL RESEARCH
1471

CELLULAR EFFECTS OF MICROWAVE RADIATION
1536+

THE BEHAVIOR OF UNICELLULAR ORGANISMS IN AN EM FIELD
1729

EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COLLOIDS.
3221

EFFECT OF RADIO-FREQUENCY FIELDS ON THE ZETA-POTENTIAL OF A COLLOIDAL SUSPENSION.
3222+

NONTHERMAL GENETIC EFFECTS OF RF.
3226+

RADIO-FREQUENCY TREATMENT FOR BREAKING DORMANCY AND CONTROLLING VIRUS INFECTIONS OF PLANTS.
3238

WAKE-UP WAVES BEING USED ON BULBS
3484+

HELLER, S.

THE INFLUENCE OF EM WAVES ON THE COURSE OF AN INFECTION WITH NEWCASTLE DISEASE VIRUS IN CHICK EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN)
0817

HELLER, S. J.

EFFECT OF MICROWAVE OVEN ON IMPLANTED CARDIAC PACEMAKER
0513

HELLMAN, K. B.

A REVIEW OF PHOTODYNAMIC THERAPY FOR HERPES SIMPLEX: BENEFITS AND POTENTIAL RISKS
3130

HENDERSON, H. M.

EFFECT OF 2450 MHZ MICROWAVE RADIATION ON HORSERADISH PEROXIDASE
0923+

HENDREN, W. H.

EM FORCES AND CIRCADIAN RHYTHMS
1166

HENDRICK, J. C.

PRELIMINARY INVESTIGATIONS OF THE EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RATS
1093

HENDRIX, A. G.

NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE
2889

PRELIMINARY STUDIES ON THE EMBRYOTOXICITY OF HYPERTHERMIA IN THE BONNET MONKEY (M.RADIATA).
2928+

HENNEBERG, G.

THE INFLUENCE OF EM WAVES ON THE COURSE OF AN INFECTION WITH NEWCASTLE DISEASE VIRUS IN CHICK EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN)
0817+

EXPERIMENT ON THE EFFECT OF EM WAVES ON THE REACTIVITY OF CELLS AND TISSUES. IV. COMMUNICATION: EFFECT OF IRRADIATION WITH RED-LIGHT AND MICROWAVES ON THE REACTIVITY OF THE CHORIOALLANTOIC MEMBRANE
2016+

HENNY, G. C.

STUDIES OF BIOLOGICAL HAZARDS FROM HIGH-POWER HF BAND TRANSMITTERS
1527+

RADIATION HAZARDS CAUSED BY HIGH-POWER, HIGH-FREQUENCY FIELDS
3509

HENTON, W. W.

FREE-OPERANT AVOIDANCE AND ESCAPE FROM MICROWAVE RADIATION
2659

MICROWAVE ABSORPTION AND TASTE AVERSION AS A FUNCTION OF 915 MHZ RADIATION
2660

HEPP, W.

EXPERIMENTAL STUDIES ON THE USE OF MICROWAVE FOR THE LOCALIZED HEAT TREATMENT OF THE PROSTRATE.
0268

HEPPNER, F. H.

CIRCADIAN ACTIVITY RHYTHM INFLUENCED BY NEAR ZERO MAGNETIC FIELD
0688

COMMUNICATION IN BIRD FLOCKS: AN EM MODEL
1671+

EFFECTS OF A FIELD FREE SPACE ON THE CIRCADIAN ACTIVITY RHYTHM OF THE HOUSE SPARROW, PASSER DOMESTICUS
2163

HERBAUGH, R. E.

SOME FACTS, SOME FINANCES, SOME FEARS, AND THE FUTURE
0100+

HERBST, E.

ELECTRIC STIMULATION OF BONE GROWTH AND REPAIR: A REVIEW OF DIFFERENT STIMULATION METHODS.
0158+

HERBST, M.

THE INFLUENCE OF A STRONG MAGNETIC FIELD ON MUSCULAR CONTRACTION.
3249

HERCHENROEDER, P.

EVALUATION OF AN IMPLANTABLE ELECTRIC-FIELD PROBE WITHIN FINITE SIMULATED TISSUES
2731

HERGENROEDER, K.

EFFECT OF 2450 MHZ MICROWAVE RADIATION ON HORSERADISH PEROXIDASE
0923

HERMAN, B. A.

SURVEY OF USE AND PERFORMANCE OF ULTRASONIC THERAPY EQUIPMENT IN PINELLAS COUNTY, FLA.
0638

HERMAN, H.

STUDIES ON THE EXPOSURE OT ELECTROMAGNETIC FIELDS IN THE COURSE OF HEAT TREATMENT OF METALS BY MEDIUM- HIGH-FREQUENCY CURRENTS (IN RUM)
3409+

HERMAN, W.

PRECISE CALIBRATION OF PLANE-WAVE MICROWAVE POWER DENSITY USING POWER EQUATION TECHNIQUES
0057

EM PROBE WITH FIBER OPTIC TELEMETRY SYSTEM
1930

CYTOGENETIC EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS
3056

HERMAN, W. A.

METHODS FOR THE EVALUATION AND CALIBRATION OF MICROWAVE SURVEY INSTRUMENTS
0058

MEASUREMENT OF POWER DENSITY FROM MARINE RADAR
0757

CALORIMETRIC CALIBRATION METHOD FOR A COMMERCIAL POWER MONITOR FOR USE WITH HIGH POWER MICROWAVE GENERATORS. (FDA) 73-8010, BRH/DEP 73-1
3039+

PRECISE MICROWAVE POWER DENSITY CALIBRATION METHOD USING THE POWER EQUATION TECHNIQUES
3625+

HERRERO, J.

CHRONIC PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS
3414

HERRICK, J.

PEARL CHAIN FORMATION
1567+

HERRICK, J. F.

THE EFFECT OF MICROWAVE DIATHERMY ON THE PERIPHERAL CIRCULATION AND ON TISSUE TEMPERATURE IN MAN
0481

CERTAIN PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF MICROWAVES
0494+

PROBLEMS WHICH ARE CHALLENGING INVESTIGATORS IN MED.
0495+

THE EFFECTS OF DIATHERMY ON THE FLOW OF BLOOD IN THE EXTREMITIES
0656

CERTAIN EXPERIMENTAL OBSERVATIONS ON A PULSED DIATHERMY MACHINE
0661

THE HEATING EFFECTS OF MICROWAVES WITH AND WITHOUT ISCHEMIA
0666

THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE.
3366

THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE OF THE RABBIT. 3367

MICROKYMATOTHERAPY: PRELIMINARY REPORT OF EXPEIMENTAL STUDIES OF THE HEATING EFFECT OF MICROWAVES (RADAR) IN LIVING TISSUES. 3369

PRELIMINARY STUDIES ON THE HEATING AND CIRCULATORY EFFECTS OF MICROWAVES 'RADAR'. 3373

HERSHBERGER, W. D.

MICROWAVE TRANSMISSION THROUGH NORMAL AND TUMOR CELLS 0039+

HERTERT, R. S.

ELECTROANESTHESIA FOR MILITARY APPLICATION 1912+

HERZOG, R. F.

MEASUREMENT OF INHOMOGENEOUS MAGNETIC FIELDS. 3312+

HEUSINKVELD, R. S.

PROSPECTS FOR HYPERTHERMIA IN HUMAN CANCER THERAPY. PART I: HYPERTHERMIC EFFECTS IN MAN AND SPONTANEOUS ANIMAL TUMORS 2063

HEYNICK, L. N.

A MICROWAVE EXPOSURE SYSTEM FOR PRIMATES 2741+

HICKS, R. A.

AN EFFECT OF SHORT ELECTRIC WAVES ON DIPHTHERIA TOXIN INDEPENDENT OF THE HEAT FACTOR 0531

HILL, D. H.

MICROWAVE POWER DENSITY ABSORPTION IN A SPHERICAL MULTI-LAYERED MODEL OF THE HEAD 2198

HILL, J. S.

AIRBORNE (0.4 TO 10 GHZ) ELECTROMAGNETIC ENVIRONMENT SURVEY OF U.S.A. URBAN AREAS 3153

HILL, R. W.

JACKRABBIT EARS: SURFACE TEMPERATURES AND VASCULAR RESPONSES. 2912+

HILLIER, T. M.

ELECTRICAL BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION 2403

HILLS, G. A.

EFFECTS OF MICROWAVE RADIATIONS ON HATCHABILITY AND GROWTH OF TURKEYS 1974+

HINDEN, H. J.

MICROWAVES HELP DETECT TUMORS. 0157+

HINDIN, H. J.

MICROWAVES PROBE FOR CANCER CELLS 0669+

NEW THEORY PROPOSED FOR HEARING MICROWAVES 0942+

DO YOU HEAR WHAT I HEAR? 1884+

HINES, H. M.

POSSIBLE INDUSTRIAL HAZARDS IN THE USE OF MICROWAVE RADIATION 0497+

EXPERIMENTAL LENTICULAR OPACITIES PRODUCED BY MICROWAVE IRRADIATIONS 0548

EXPOSURE TO MICROWAVES 0555

TESTICULAR DEGENERATION AS A RESULT OF MICROWAVE IRRADIATION. 2891

HINES, J. R.

INTRACELLULAR HYPERTHERMIA: A BIOPHYSICAL APPROACH TO CANCER TREATMENT VIA INTRACELLULAR TEMPERATURE AND BIOPHYSICAL ALTERATIONS 0076

HINSENKAMP, M.

CYTOFLUOROMETRY OF ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENTIATION (IN JAPAN) 0068

HIRAMINE, N.

HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW 1279

HIROSE, F.

MICROWAVE RADIATION (MR) HEATING OF SURFACE TUMORS 2322

HIROSE, T.

THE USE OF MICROWAVE HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE 1801+

HIRSCH, F. G.

ABSENCE OF EM PULSE EFFECTS ON MONKEYS AND DOGS 0498+

THE USE OF BIOLOGICAL SIMULANTS IN ESTIMATING THE DOSE OF MICROWAVE ENERGY 0499+

BILATERAL LENTICULAR OPACITIES OCCURRING IN A TECHNICIAN OPERATING A MICROWAVE GENERATOR 0600+

PROCEEDINGS OF THE TECHNICAL COORDINATION CONFERENCE ON EMR BIOLOGICAL EFFECTS, JULY 1970 0758+

MICROWAVE CATARACTS--A CASE REPT. REEVALUATED 0772+

THE PSYCHOLOGIC CONSEQUENCES OF EXPOSURE TO HIGH DENSITY PULSED EM ENERGY 2084+

HIRSCH, S. E.

INVESTIGATION OF SINGLE-EXPOSURE MICROWAVE OCULAR EFFECTS AT 3000 MHZ 1065

EFFECTS OF REPEATED MICROWAVE IRRADIATIONS TO THE ALBINO RABBIT EYE 2682+

HISH, D. M.

EM SUSCEPTIBILITY OF HEART PACEMAKERS TEST RESULTS 2296

HIZAL, A.

HEAT POTENTIAL DISTRIBUTION IN AN INHOMOGENEOUS SPHERICAL MODEL OF A CRANIAL STRUCTURE EXPOSED TO MICROWAVES DUE TO LOOP OR DIPOLE ANTENN 0052+

HJERESEN, D. L.

SHUTTLEBOX SIDE PREFERENCE DURING PULSED MICROWAVE AND CONVENTIONAL AUDITORY CUES. 0239+

EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY 0738

HO, H.

DESIGN AND STANDARDIZATION OF EXPOSURE SYSTEMS FOR RF AND MICROWAVE EXPERIMENTATION 0056

HO, H. S.

EFFECTS OF 8.6 GHZ PULSED EMR ON AN ESCHERICHIA COLI REPAIR-DEFICIENT MUTANT. 0227

THE EFFECT OF ENVIRONMENTAL TEMPERATURE AND AVERAGE DOSE RATE OF MICROWAVE RADIATION ON THE OXYGEN-CONSUMPTION RATE OF MICE 0369+

A MICROWAVE DOSIMETRY SYSTEM FOR MEASURED SAMPLED INTEGRAL-DOSE RATE 0805

THE RELATION OF DOSE RATE OF MICROWAVE RADIATION TO THE TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MOUSE 0849

ENERGY ABSORPTION PATTERNS IN CIRCULAR TRIPLE-LAYERED TISSUE CYLINDERS EXPOSED TO PLANE WAVE SOURCES 0851+

RESPONSES OF THE MOUSE TO MICROWAVE RADIATION DURING ESTROUS CYCLE AND PREGNANCY 0930

RF CAVITY IRRADIATION DOSIMETRY 0997

ENVIRONMENTALLY CONTROLLED WAVEGUIDE IRRADIATION FACILITY 0998+

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--I: DOSIMETRIC QUANTITIES FOR RF AND MICROWAVE EM FIELDS 1026

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--II: CALCULATIONS OF ABSORBED DOSE DISTRIBUTIONS IN TWO SUZES OF MUSCLE-EQUIVALENT SPHERES 1027+

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--III: DOSE RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF EM PLANE WAVE 1028+

CONTRAST OF DOSE DISTRIBUTION IN PHANTOM HEADS DUE TO APERTURE AND PLANE WAVE SOURCES 1097+

DOSE RATE DISTRIBUTION IN TRIPLE-LAYERED DIELECTRIC CYLINDER WITH IRREGULAR CROSS SECTION IRRADIATED BY PLANE WAVE SOURCES
1122+

ARE MICROWAVES TERATOGENIC?
1371

MICROWAVE IRRADIATION DESIGN USING DIELECTRIC LENSES
1697+

MICROWAVE INDUCED AVOIDANCE BEHAVIOR IN THE MOUSE
2167

DEPENDENCE OF TOTAL AND DISTRIBUTED ABSORBED MICROWAVE ENERGY UPON SIZE AND ORIENTATION OF RAT PHANTOMS IN WAVEGUIDE
2194

MICROWAVE IRRRADIATION APPARATUS DESIGN AND DOSIMETRY
2213+

HEAT-DISSIPATION RATE OF MICE AFTER MICROWAVE IRRADIATION
2376+

MICROWAVE BIOLOGICAL EFFECTS UNDER REPRODUCIBLE DOSIMETRIC AND ENVIRONMENTAL CONDITIONS
2389

EXPERIMENTAL AND THEORETICAL DETERMINATION OF ABSORBED MICROWAVE DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS IRRADIATED BY AN APERTURE SOURCE
2590+

COMPARISON OF CALCULATED ABSORBED DOSE RATE DISTRIBUTIONS IN PHANTOM HEADS EXPOSED TO 2450 MHZ AND 915 MHZ PLANE WAVE AND SLOT SOURCES
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CHANGE IN AVERAGE ABSORBED DOSE RATE OF A GROUP OF MICE UNDER REPEATED EXPOSURE TO 915 MHZ MICROWAVE RADIATION
2672+

OXYGEN-CONSUMPTION RATE OF MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION
2745+

THE EFFECT OF AMBIENT TEMPERATURE ON THE REDUCTION OF MICROWAVE ENERGY ABSORPTION BY MICE
2762

DOSE RATE AND OXYGEN CONSUMPTION RATE IN MICE CONFINED IN A SMALL HOLDER DURING EXPOSURE TO 2450 MHZ MICROWAVE RADIATION
2821+

OXYGEN-CONSUMPTION RATE OF MICE UNDER DIFFERING DOSE RATES OF MICROWAVE RADIATION.
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DOSE RATE RELATED EFFECTS ON THE OXYGEN CONSUMPTION OF MICE DURING AND AFTER MICROWAVE IRRADIATION.
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MICROWAVE HEATING OF SIMULATED HUMAN LIMBS BY APERTURE SOURCES
2948+

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION - II: CALCULATIONS OF ABSORBED DOSE DISTRIBUTIONS IN TWO SIZES OF MUSCLE-EQUIVALENT SPHERES
3600+

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION - III: DOSE RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF ELECTROMAGNETIC PLANE WAVE
3601+

HODGE, D. M.

RADIATION BIO-EFFECTS SUMMARY REPT., JAN.-DEC. 1968
0599+

NONIONIZING RADIATION IN THE ENVIRONMENT
2941

RADIATION BIO-EFFECTS SUMMARY REPORT JANUARY-DECEMBER 1970
3495+

HOEFT, L. O.

MICROWAVE HEATING: A STUDY OF THE CRITICAL EXPOSURE VARIABLES FOR MAN AND EXPERIMENTAL ANIMALS.
2913+

HOFF, A. J.

MAGNETIC FIELD-INDUCED INCREASE OF THE YIELD OF (BACTERIO) CHLOROPHYLL EMISSION OF SOME PHOTOSYNTHETIC BACTERIA AND OF CHLORELLA VULGARIS.
0185

ON THE MAGNETIC FIELD DEPENDENCE OF THE YIELD OF THE TRIPLET STATE IN REACTION CENTERS OF PHOTOSYNTHETIC BACTERIA
2401+

HOFF, R. J.

AN EMC STANDARD FOR MEDICAL ELECTRONIC DEVICES
2831+

HOFFART, H. M.

EMC AND RADIATION HAZARDS
3535+

HOFFMAN, A. A.

EFFECT OF AN ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS
2036

THE BEHAVIOR OF TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS
2086

ANTI-HIJACKING EFFORTS AND CARDIAC PACEMAKERS--REPORT OF A CLINICAL STUDY
2969

HOFFMAN, D. W.

AN EVALUATION OF ENVIRONMENTAL HEALTH EFFECTS ASSOCIATED WITH HIGH VOLTAGE TRANSMISSION LINES
3168+

HOFFMAN, F.

COMPLEX FREQUENCY PERTURBATION OF A MICROWAVE CAVITY CONTAINING A LOSSY LIQUID
1802

HOHENLEITNER, F. J.

GASTROINTESTINAL MOTOR ACTIVITY FOLLOWING EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIELD
1853

HOLANOVA, V.

THE PROBLEM OF EVALUATION OF EEG FINDINGS IN RELATION TO THE EXPOSURE OF USW RADIOWAVES (IN POLISH)
1943

HOLLAND, L. M.

EFFECTS OF 800-MHZ EMR ON BODY WEIGHT, ACTIVITY, HEMATOPOIESIS AND LIFE SPAN IN MICE
2037

HOLLAND, M. G.

ABSENCE OF OCULAR PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES.
0174

SCREENING FOR CATARACTS AMONG VETERAN RADAR REPAIR AND MAINTENANCE TECHNICIANS
1066

HOLM, D. A.

THE EFFECTS OF NON-THERMAL RADIO FREQUENCY RADIATION ON HUMAN LYMPHOCYTES IN VITRO
0692+

HOLMQUEST, H. J.

EXPERIMENTAL STUDIES IN DIATHERMY APPLIED TO THE EYE AND ORBIT A. THERMAL EFFECT OF DIATHERMY.
3365

HOLT, G. J.

THE USE OF IODINE-125 FOR INTERSTITIAL IMPLANTS
0948

HOLT, J.

FOUR YEARS OF MICROWAVES IN CANCER THERAPY.
0421+

HOLT, J. A.

THE CAUSE OF CANCER: BIOCHEMICAL DEFECTS IN THE CANCER CELL DEMONSTRATED BY THE EFFECTS OF EMR, GLUCOSE AND OXYGEN
0079+

THE CURE OF CANCER: A PRELIMINARY HYPOTHESIS
0500+

INCREASE IN X-RAY SENSITIVITY OF CANCER AFTER EXPOSURE TO 434 MHZ EMR
2452+

THE PROBLEM OF CLINICAL HYPERTHERMIA
2551

HOLWEK, A.

SURVIVAL PERIODS OF RATS INJECTED WITH ACETYLCHOLINE, EPINEPHRINE, HISTAMINE OR SEROTONIN AND EXPOSED TO ACUTE MICROWAVE IRRADIATION (IN POLISH)
0355

HOOD, O. C.

EFFECT OF AN ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS
2036

THE BEHAVIOR OF TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS
2086

ANTI-HIJACKING EFFORTS AND CARDIAC PACEMAKERS--REPORT OF A CLINICAL STUDY
2969+

HOOD, W.

MAGNETOCARDIOGRAPHY OF DIRECT CURRENTS: S-T SEGMENT AND BASELINE SHIFTS DURING EXPERIMENTAL MYOCARDIAL INFARCTION
2104

HOOPINGARNER, R.
CHROMOSOMAL ABERRATIONS OF LIVING CELLS INDUCED BY MICROWAVE RADIATION
1962

HOPE, I. D.
DIELECTRIC STUDIES ON BIOPOLYMERS AND LIQUID STRUCTURE (I)
1904

HOPEWOOD, P. S.
EM FORCES AND CIRCADIAN RHYTHMS
1166+

HOPFER, S.
AN ULTRA-BROADBAND PROBE FOR RF RADIATION MEASUREMENTS
2279+

HOPKINS, C. D.
ELECTRIC COMMUNICATION IN FISH: CERTAIN SPECIES OF FISH PRODUCE ELECTRIC SIGNALS THAT ARE USED FOR IDENTIFICATION, AGGREGATION, AND DISPERSAL
0502+

HOPKINS, J. T.
CYCLIC AMP IN BRAIN AREAS: EFFECTS OF AMPHETAMINE AND NOREPINEPHRINE ASSESSED THROUGH THE USE OF MICROWAVE RADIATION AS A MEANS OF TISSUE FIXATION
2517

HORI, T.
THE POSTEROMEDIAL HYPOTHALAMUS AND PAIN, BEHAVIOR, WITH SPECIAL REFERENCE TO ENDOCRINOLOGICAL FINDINGS
3419

HORNBACK, N. B.
PRELIMINARY CLINICAL RESULTS OF 433 MEGAHERTZ MICROWAVE THERAPY AND RADIATION THERAPY ON PATIENTS WITH ADVANCED CANCER
2336+

THE RESPONSE OF AN AMELANOTIC HAMSTER MELANOMA TO VARIOUS TREATMENT MODALITIES UTILIZING X-RAYS AND HYPERTHERMIA
2363

HORNBACK, N. E.
RADIATION AND MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCER
0012+

HORVATH, S. M.
PRODUCTION OF CONVULSIONS IN RATS BY HIGH FREQUENCY ELECTRICAL CURRENTS
1991

MAN'S PHYSIOLOGIC RESPONSE TO LONG-TERM WORK DURING THERMAL AND POLLUTANT STRESS
2916

HORVATH, W. J.
ENERGY DENSITIES OF MICROWAVE RADIATING SYSTEMS
3459

HOSOBUCHI, Y.
PAIN RELIEF BY ELECTRICAL STIMULATION OF THE CENTRAL GRAY MATTER IN HUMANS AND ITS REVERSAL BY NALOXONE
2850+

HOSS, R.
EM PROBE WITH FIBER OPTIC TELEMETRY SYSTEM
1930

HOSSAIN, M. A.
EFFECTS OF 8.6 GHZ PULSED EMR ON AN ESCHERICHIA COLI REPAIR-DEFICIENT MUTANT.
0227

HOUCK, J. C.
EVIDENCE OF MORPHOLOGICAL AND PHYSIOLOGICAL TRANSFORMATION OF MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS
0660

HOUGH, L. B.
ELEVATION IN RAT BRAIN HISTAMINE CONTENT AFTER FOCUSED MICROWAVE IRRADIATION
2591+

HOUK, T. W.
ORIENTATION OF ACTIN AND MYOSIN FILAMENTS IN INTERMEDIATE STRENGTH MAGNETIC FIELDS
2338+

HOUK, W. M.
SAFETY OF MICROWAVE DEVICES
0583+

BIOCHEMICAL AND NEUROENDOCRINE ASPECTS OF EXPOSURE TO MICROWAVES
1057

THE CONTINUING MEDICAL SURVEILLANCE OF PERSONNEL EXPOSED TO EXTREMELY LOW FREQUENCY (ELF) EM FIELDS
1214+

THERMAL REGULATION IN LONG-EVANS RATS EXPOSED TO 2450 MHZ MICROWAVE RADIATION
1433+

METABOLIC AND THERMOREGULATORY RESPONSES TO MICROWAVE RADIATION IN YOUNG MALE RATS
1434+

HUMAN RESPONSES TO MICROWAVE IRRADIATION-A REVIEW AND EVALUATION OF PUBLISHED REPORTS
3529+

HOWEN, G. G.
MICROWAVE RADIATION NOT KNOWN TO BE TERATOGENIC
2592+

HOWES, M.
PROGRESS REPORT ON 2450 MHZ IRRADIATION OF PREGNANT RATS AND THE EFFECT ON THE FETUS
2870

KINETICS OF MOUSE HEMATOPOIETIC COLONY-FORMING UNITS FOLLOWING INJURY BY 2450 MHZ MICROWAVE IRRADIATION
3386

HOWLAND, J. W.
COMPARATIVE STUDIES ON 1285 AND 2800 MC/SEC PULSED MICROWAVES
0532

RESPONSE OF THE DOG TO 24,000 AND 1285 MHZ MICROWAVE EXPOSURE
0617

BIOLOGIC EFFECTS OF MICROWAVE EXPOSURE
0829

REVIEW OF THE WORK CONDUCTED AT THE U. OF ROCHESTER–THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION IN THE DOG
1575

BIOMEDICAL ASPECTS OF MICROWAVE IRRADIATION OF MAMMALS
3604+

HRABAR, L. I.
HUMAN SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS
2485

HRYNIEWICZ, W.
INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND COLCEMIDE
2753

HSIEH, S. T.
EM INDUCED KINETIC EFFECTS ON CHARGED SUBSTRATES IN LOCALIZED ENZYME SYSTEMS
1731

BIOLOGICAL EFFECTS OF X-BAND MICROWAVE IRRADIATIONS ON E. COLI
2814+

HU, C. L.
MODEL FOR SOME NONTHERMAL EFFECTS OF RADIO AND MICROWAVE FIELDS ON BIOLOGICAL MEMBRANES
2691

HUANG, A. T.
ALTERATION OF BBB: A STUDY TO EXPLORE NEW THERAPY FOR CNS LEUKEMIA
2326

THE EFFECT OF MICROWAWE RADIATION (2450 MHZ) ON THE MORPHOLOGY AND CHROMOSOMES OF LYMPHOCYTES
2751+

HUBEL, K. A.
EFFECTS OF ELECTRICAL FIELD STIMULATION ON ION TRANSPORT BY RABBIT ILEUM IN VITRO
2525+

HUDDLESTON, G. K.
EFFECTS OF MICROWAVE RADIATION ON ENZYMES
1081

A PYROELECTRIC PROBE FOR MEASUREMENT OF MICROWAVE POWER DENSITY UNDER FAR-FIELD CONDITIONS
1102+

EFFECTS OF MICROWAVE RADIATION ON ENZYMES
2390

HUDGINS, P. T.
THE EFFECTS ON CARDIAC PACEMAKERS OF IONIZING RADIATION AND ELECTROMAGNETIC INTERFERENCE FROM RADIOTHERAPY MACHINES
3417

HUEBNER, R.
THE BIOLOGICAL EFFECTS OF MICROWAVE
3194+

HUET, C.
EFFET DE L'IRRADIATION HYPERFREQUENCE SUR LE MECANISME DE TANNAGE CHEZ TENEBRIO MOLITOR COLEPTERE
2432

HUFFMAN, J. K.
THE EFFECTS ON CARDIAC PACEMAKERS OF IONIZING RADIATION AND ELECTROMAGNETIC INTERFERENCE FROM RADIOTHERAPY MACHINES
3417

HUGET, E. F.
ELECTROANESTHESIA FOR MILITARY APPLICATION 1912

HUGHES, E. A.
EM SUSCEPTIBILITY OF HEART PACEMAKERS TEST RESULTS 2296

HULLIGER, M.
EFFECTS OF FUSIMOTOR STIMULATION ON THE SENSITIVITY OF THE MUSCLE SPINDLE SECONDARY ENDING TO SMALL AMPLITUDE SINUSOIDAL STRETCH 2641

HUME, S. P.
A MICROWAVE HEATING SYSTEM FOR IMPROVING TEMPERATURE UNIFORMITY IN HEATED TISSUE. 0238

HUNT, A. G.
NON-IONIZING RADIATION: THE PHYSICAL RELATIONSHIP BETWEEN TYPICAL SOURCES AND HUMAN TARGETS 0504+

HUNT, E. L.
CORNER-REFLECTOR APPLICATORS FOR MULTILATERAL EXPOSURE OF ANIMALS IN BIOEFFECTS EXPERIMENTS. 0386

EFFECTS OF EXPOSURE TO PULSED MICROWAVES (RADAR) ON CENTRAL NERVOUS SYSTEM EXCITABILITY IN LAB. ANIMALS 0637+

THERMOREGULATORY, METABOLIC, AND CARDIOVASCULAR RESPONSE OF RATS TO MICROWAVES 0926

BEHAVIORAL EFFECTS OF PULSED MICROWAVE RADIATION 1096+

FIELD MEASUREMENTS, ABSORBED DOSE, AND BIOLOGIC DOSIMETRY OF MICROWAVES 1101

BIOLOGICAL DOSIMETRY OF 2450 MHZ MICROWAVE IRRADIATION WITH MICE 1745

DISTRIBUTION OF EM ENERGY DEPOSITION IN MODELS OF MAN WITH FREQUENCIES NEAR RESONANCE 2188

BIOLOGICAL EFFECTS AND HAZARDS OF MICROWAVE RADIATION 2616+

DEPOSITION OF EM ENERGY IN ANIMALS AND IN MODELS OF MAN WITH AND WITHOUT GROUNDING AND REFLECTOR EFFECTS 2733

RESONANT ELECTROMAGNETIC POWER DEPOSITION IN MAN WITH AND WITHOUT GROUND EFFECTS 3618

HUNT, J. L.
THE PATHOPHYSIOLOGY OF ACUTE ELECTRIC INJURIES 2321+

HUNYOR, S. N.
INTERFERENCE HAZARDS WITH AUSTRALIAN NON-COMPETITIVE ('DEMAND') PACEMAKERS 3580+

HURLOCK, E. T.
MICROWAVES CAN KILL INSECT PESTS. 0240+

HURT, W. D.
MICROWAVE OVEN INTERFERENCE WITH CARDIAC PACEMAKERS 0552

EMC DESIGN EFFECTIVENESS IN ELECTRONIC MEDICAL PROSTHETIC DEVICES 0642

CARDIAC PACEMAKER EM INTERFERENCE (3050 MHZ) 0649+

EMPIRICAL STUDIES OF CARDIAC PACEMAKER INTERFERENCE 1019

EFFECTS OF EM INTERFERENCE (2450 MHZ) ON CARDIAC PACEMAKERS 1285+

MEASURED EFFECTS OF SQUARE-WAVE MODULATED RF FIELDS (450 AND 3100 MHZ) ON CARDIAC PACEMAKERS 1289+

THE BIOLOGICAL SIGNIFICANCE OF RADIOFREQUENCY RADIATION EMISSION ON CARDIAC PACEMAKER PERFORMANCE 1777

MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 1778

CARDIAC PULSE GENERATORS AND EM INTERFERENCE 2041

MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 2190

THE BIOLOGICAL SIGNIFICANCE OF RADIOFREQUENCY RADIATION EMISSION ON CARDIAC PACEMAKER PERFORMANCE 2199

ELECTROMAGNETIC COMPATIBILITY OF CARDIAC PACEMAKERS 2270

GHOSTS AND WITCHCRAFT IN RF MEASUREMENTS OR POWER ABSORPTION MEASUREMENTS IN HF FIELDS 2400

HUSSMAN, E. K.
A HOLOGRAPHIC INTERFEROMETER FOR MEASURING RADIATION ENERGY DEPOSITION PROFILES IN TRANSPARENT LIQUIDS. 3301+

HUTCHINSON, J. C.
THE EFFECTS OF FM AND TV BROADCAST STATIONS UPON CARDIAC PACEMAKERS 1654

HUTTON, D. B.
REPORT ON MOBILE FIELD STRENGTH MEASUREMENTS TAKEN WITH RECEIVING ANTENNA 10 FEET ABOVE GROUND- NEW YORK CITY UHF-TV PROJECT 3524+

HUZ'MIN, A. I.
EXPERIENCE WITH THE USE OF GLUCOSORTICOSTEROIDS AND MAGNETIC FIELD IN THE INTENSIVE THERAPY OF SEVERE FORMS VIRAL HEPATITIS 0013

HYDE, A. S.
ANNUAL PROGRESS REPT.-1958, INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0543

REVIEW OF THE WORK CONDUCTED AT TULANE U.–INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION 1577

HYLTEN-CAVALLIUS, N.
RADIO NOISE METER RESPONSE TO RANDOM PULSES BY COMPUTER SIMULATION 3116

HYMAN, L. C.
PARENTAL FACTORS IN DOWN'S SYNDROME–RESULTS OF THE SECOND BALTIMORE CASE-CONTROL STUDY 1950

HYNYNEN, K.
ERYTHROCYTE DAMAGE CAUSED BY THE HAEMOTHERM MICROWAVE BLOOD WARMER 0308

I

IAIDELICH, D. L.
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3573

IAROVAIA, M. K.
USE OF SINUS-MODULATED CURRENTS AND ULTRASOUND IN OBLITERATIVE DISEASES OF THE LOWER LIMBS (IN RUSSIAN) 2707

ICHIDA, M.
THE ELECTRICAL INDUCTION OF CALLUS FORMATION AND EXTERNAL SKELETAL FIXATION USING METHYL METHACRYLATE FOR DELAYED UNION OF OPEN TIBIAL FRACTURE WITH SEGMENTAL LOSS 2781

IEEE EMC GROUP
INTERNATIONAL ELECTROMAGNETIC COMPABILITY SYMPOSIUM RECORD 2982+

IHLE, G. M.
ELECTRICAL & BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW 0083

IL'INA, S. A.
THE POSSIBLE ROLE OF WATER IN TRANSFER OF MILLIMETER RANGE RADIATION TO BIOLOGICAL OBJECTS. 0241+

ILINSKII, I. A.
EXPERIENCE WITH THE USE OF GLUCOSORTICOSTEROIDS AND MAGNETIC FIELD IN THE INTENSIVE THERAPY OF SEVERE FORMS VIRAL HEPATITIS 0013+

ILLINGER, K. H.
EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL 0896
MOLECULAR MECHANISMS FOR MICROWAVE ABSORPTION IN BIOLOGICAL SYSTEMS 1535+
THE ATTENUATION FUNCTION FOR BIOLOGICAL FLUIDS AT MILLIMETER AND FAR-INFRARED WAVELENGTHS 2195+
ATOMIC AND MOLECULAR MECHANISMS UNDERLYING BIOLOGICAL INTERACTION WITH EM RADIATION 2425+
DISCUSSION: EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL. 3268
INTERACTION BETWEEN MICROWAVES AND MILLIMETER-WAVE ELECTROMAGNETIC FIELDS AND BIOLOGIC SYSTEMS: MOLECULAR MECHANISMS. 3269+

ILYINSKY, O. B.
EVIDENCE THAT GEOMAGNETIC VARIATIONS CAN BE DETECTED BY LORENZINIAN AMPULLAE. 0404

IMAI, R.
THE ELECTRICAL INDUCTION OF CALLUS FORMATION AND EXTERNAL SKELETAL FIXATION USING METHYL METHACRYLATE FOR DELAYED UNION OF OPEN TIBIAL FRACTURE WITH SEGMENTAL LOSS 2781

IMIG, C. J.
REPT. FROM STATE U. OF IOWA, DEPT. OF PHYSIOL. 1464+
REVIEW OF THE WORK CONDUCTED AT STATE U. OF IC WA 1580+
TESTICULAR DEGENERATION AS A RESULT OF MICROWAVE IRRADIATION. 2891+

IMPI
ABSTRACTS 3004+

INAMINE, G.
INFLUENCE OF 2450 MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO 1155

INGELMAN-SUNDBERG, A.
THE RADIOFREQUENCY FIELD DISTRIBUTION SURROUNDING COILS FOR INTRAUTERINE DIAGNOSTIC PROCEDURES 1959
ATTEMPTS TO LOCALIZE A CORCINOMA OF THE ENDOMETRIUM WITH THE USE OF SHORT RADIO WAVES 1960+

INGLIS, L. P.
THE COMPATIBILITY OF MAN IN THE MICROWAVE ENVIRONMENT 0505+
WHY THE DOUBLE STANDARD? A CRITICAL REVIEW OF RUSSIAN WORK ON THE HAZARDS OF MICROWAVE RADIATION 2286+

INNIS, W. E.
ELECTRICAL IMPEDANCE OF THE HUMAN BODY FOR HF (2-30 MHZ) BAND (INITIAL RESULTS) 2142

INOUE, S.
MICROWAVE EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO 0352
ELECTRET INDUCED CALLUS FORMATION IN THE RAT 2776+
THE ELECTRICAL INDUCTION OF CALLUS FORMATION AND EXTERNAL SKELETAL FIXATION USING METHYL METHACRYLATE FOR DELAYED UNION OF OPEN TIBIAL FRACTURE WITH SEGMENTAL LOSS 2781+

INOUYE, A.
DIELECTRIC PROPERTIES OF SYNAPTOSOMES ISOLATED FROM RAT BRAIN CORTEX 1933

INOV, M. G.
EFFECTS OF ELECTRICAL STIMULATION OF VAGAI NUCLEI IN ANESTHETIZED AND UNANESTHETIZED CATS 3405

IRIMAJIRI, A.
DIELECTRIC PROPERTIES OF SYNAPTOSOMES ISOLATED FROM RAT BRAIN CORTEX 1933+
A METHOD FOR DETERMINING THE DIELECTRIC CONSTANT AND THE CONDUCTIVITY OF MEMBRANE-BOUNDED PARTICLES OF BIOLOGICAL RELEVANCE 1934

IRNICH, W.
INTERFERENCE WITH CARDIAC PACEMAKERS BY DIATHERMY TESTED IN VARIOUS SIMULATION MODELS. 0235

IRNOVA, N. P.
CYCLES OF RECOVERY OF EVOKED BRAIN POTENTIALS FOLLOWING EXPOSURE TO CONSTANT MAGNETIC FIELD IN THE RAT (IN RUS.) . 0160+

IRVIN, K. M.
EFFECT OF CONVENTIONAL AND MICROWAVE HEATING ON PSEUDOMONAS PUTREFACIENS, STREPTOCOCCUS FAECALIS AND LACTOBACILLUS PLANTARUM IN MEAT TISSUE 2693

ISEKI, H.
SINGLE NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM 3394

ISHAY, J.
INFLUENCE OF AN ADDITIONAL MAGNETIC FIELD ON HORNET NEST ARCHITECTURE 2461

ISHAY, J. S.
INFLUENCE OF THE EARTH'S MAGNETIC FIELD ON THE COMB BUILDING ORIENTATION OF HORNETS. 0304

ISKANDER, M. F.
APPROXIMATE CALCULATION OF SAR FOR PLANEWAVE IRRADIATION OF MAN MODEL NEAR A GROUND PLANE. 0242+
AN EMPIRICAL FORMULA FOR BROAD-BAND SAR CALCULATIONS OF PROLATE SPHEROIDAL MODELS OF HUMANS AND ANIMALS. 0301
AN ELECTROMAGNETIC ENERGY COUPLER FOR MEDICAL APPLICATIONS 0305+
A TIME-DOMAIN TECHNIQUE FOR MEASUREMENT OF THE DIELECTRIC PROPERTIES OF BIOLOGICAL SUBSTANCES 2836+
RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK. 2927

ISKANDER, M. G.
ELECTROMAGNETIC TECHNIQUES FOR MEDICAL DIAGNOSIS: A REVIEW. 0391+

ISLES, M.
ELECTRIC BIREFRINGENCE STUDIES OF CARTILAGE PROTEOGLYCAN AGGREGATION 2399

ISMAILOV, E. S.
INFRARED SPECTRA OF ERYTHROCYTE SHADOWS IN THE REGION OF AMIDE I AND AMIDE II BANDS UNDER MICROWAVE IRRADIATION (IN RUSSIAN) 1794+
THE EFFECT OF MICROWAVES ON ERYTHROCYTE POTASSIUM AND SODIUM ION PERMEABILITY 2020+
EFFECT OF SUPER-HIGH FREQUENCY EM IRRADIATION ON THE ELECTROPHORETIC MOBILITY OF ERYTHROCYTES (IN RUSSIAN) 2593+
PHYSICOCHEMICAL MECHANISMS OF THE BIOLOGICAL ACTIVITY OF MICROWAVES 2807+

ITALIANO, P.
CHROMOSOME STUDIES OF RADAR CENTRE STAFF EXPOSED TO EMR (IN ITALIAN) 1007+

ITO, H.
HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW 1279

IVALL, T. E.
ARTIFICIAL VISION PROGRESSES 0909+

IVANCHENKO, V. A.
UTILIZING NONLINEAR PROPERTIES OF SEMICONDUCTORS WHICH SHOW UP IN STRONG ELECTRIC FIELDS FOR DETECTING EMISSION IN THE MILLIMETER AND SUBMILLIMETER BANDS 2343

IVANOV, V. G.
KINEMATIC DESCRIPTION OF A HELICAL FRAME OF REFERENCE SYSTEM IN THE SPECIAL THEORY OF RELATIVITY. 0424 +

IVANOV, V. I.
EFFECT OF SUPERHIGH FREQUENCY FIELDS OF HIGH INTENSITIES ON THE BLOOD COAGULATION SYSTEM 1480+

IVANOV, V. S.
HUMAN TOLERANCE TO LOCAL INFRARED IRRADIATION 0730

IVANOVA, N. B.
EFFECTS OF MILLIMETER-BAND RADIO WAVES ON CERTAIN PROPERTIES OF BACTERIA 2303

IVASIVKA, S. V.
BIOLOGICAL EFFECT OF PERMANENT MAGNETIC FIELD ON HEMATOPOIETIC SYSTEM OF INTACT AND TUMOR-BEARING ANIMALS 0102

IWANO, K.
EFFECT OF CONTROLLED EMR ON THE GROWTH OF CELLS IN TISSUE 0267
THE EFFECT OF MICROWAVE EMR ON THE GROWTH OF MAMMALIAN CELLS IN TISSUE CULTURE 2514

IWASAKI, R. S.
MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA 1963

IWASAKI, T.
TEST OF MAGNETIC SENSITIVITY IN THREE DIFFERENT BIOLOGICAL SYSTEMS. 0159+

J

JACKSON, R. W.
EFFECT OF CONTROLLED EMR ON THE GROWTH OF CELLS IN TISSUE 0267
THE EFFECT OF MICROWAVE EMR ON THE GROWTH OF MAMMALIAN CELLS IN TISSUE CULTURE 2514

JACKSON, W.
DIELECTRIC BEHAVIOUR OF METHYL PALMITATE:EVIDENCE OF RESONANCE ABSORPTION 3483

JACOBI, J.
PRELIMINARY OBSERVATIONS WITH AN ELECTROMAGNETIC METHOD FOR THE NONINVASIVE ANALYSIS OF CELL SUSPENSION PHYSIOLOGY AND INDUCED PATHOPHYSIOLOGY 0054

JACOBI, J. H.
COMPARISON OF MICROWAVE IRRADIATION AT 986 VERSUS 2450 MHZ FOR IN VIVO INACTIVATION OF BRAIN ENZYMES IN RATS
0085 FOR USE IN BIOLOGICAL DIELECTRICS. 0168
MICROWAVE SCATTERING PARAMETER IMAGERY OF AN ISOLATED CANINE KIDNEY. 0307
MICROWAVE TIME DELAY SPECTROSCOPIC IMAGERY OF ISOLATED CANINE KIDNEY. 0423+
BIOLOGICAL EFFECTS AND HAZARDS OF MICROWAVE RADIATION 2616
MICROWAVE INTERROGATION OF DIELECTRIC TARGETS BY MICROWAVE TIME DELAY SPECTROSCOPY 3410+
MICROWAVE INTERROGATION OF DIELECTRIC TARGETS BY SCATTERING PARAMETERS 3413

JACOBS, J. D.
ELECTRICAL STIMULATION OF OSTEOGENESIS IN PERIODONTAL DEFECTS 2774+

JACOBSEN, E. H.
MICROWAVE ULTRASONICS. 3378+

JACOBSON, B. S.
REVIEW OF THE WORK CONDUCTED AT U. OF CALIF.--EFFECTS OF MICROWAVE IRRADIATION ON INTERNAL TEMPERATURE AND VIABILITY IN MICE 1579+

JACOBSON, F. H.
PHYSIOLOGICAL EFFECTS OF NAACH VOLTAGES 2541+

JACOMINO, J. M.
EFFECTS OF LOW LEVEL MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT OF THE RAT 0370

JAEGER, R. E.
MICROWAVE MEASUREMENTS OF THE LOSS IN LOW-LOSS DIELECTRICS. 3331+

JAEGER, R. J.
PRIMATE PERFORMANCE ASSESSMENT FOLLOWING 3.2-GHZ EXPOSURES 0740

JAFFE, L. F.
POLARIZATION OF FUCOID EGGS BY STEADY ELECTRICAL FIELDS 0643

JAGADEESH, P.
EXPERIMENTAL REGENERATION IN PERIPHERAL NERVES AND THE SPINAL CORD IN LAB. ANIMALS EXPOSED TO A PULSED EM FIELD 0855
THE EFFECTS OF PULSED EM ENERGY ON PERIPHERAL NERVE REGENERATION 1054

JAGANNATHAN, N.
IMPACT OF RADAR IRRADIATION ON HUMAN SYSTEMS 0857

JAGGARD, D. L.
CELLULAR EFFECTS: MILLIMETER WAVES AND RAMAN SPECTRA-REPORT OF A PANEL DISCUSSION. 0392+

JAIN, R. K.
TEMPERATURE DISTRIBUTIONS IN NORMAL AND NEOPLASTIC TISSUES DURING HYPERTHERMIA: LUMPED PARAMETER ANALYSIS. 0188

JAKUBCZYK, A.
DIAGNOSTIC AND FORENSIC PROBLEMS IN CASES OF SO-CALLED 'MICROWAVE NEUROSIS' (IN POLISH) 1846

JAMES, L. S.
INCREASED UTERINE ACTIVITY AND FETAL DETERIORATION DURING MATERNAL HYPERTHERMIA 2866

JAMMET, H.
OVERVIEWS ON NONIONIZING RADIATION 2021+
PROGRESS REPORT OF THE IRPA STUDY GROUP ON PROTECTION AGAINST NON-IONIZING RADIATION 2477+

JANES, D. E.
RESULTS OF THE EPA ENVIRONMENTAL RE RADIATION MEASUREMENTS PROGRAM 0075
AN ASSESSMENT OF ADVERSE HEALTH EFFECTS OF TELECOMMUNICATIONS TECHNOLOGY 0550
NONIONIZING RADIATION MEASUREMENT CAPABILITIES: STATE AND FEDERAL AGENCIES 0735
CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES 0871
THE USE OF AN AUTOMATED POPULATION DATA BASE IN POPULATION EXPOSURE CALCULATIONS 1196
ASSESSING THE POTENTIAL FOR EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES 1422
NONIONIZING RADIATION EXPOSURE IN URBAN AREAS OF THE UNITED STATES 2056+
BROADCAST RADIATION: A SECOND LOOK 2211
EFFECTS OF 2450 MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMSTERS 2507+
RADIO-FREQUENCY RADIATION LEVELS IN URBAN AREAS 2734+
NONIONIZING RADIATION IN THE ENVIRONMENT 2941
A MEDICAL X-RAY SURVEY PACKET 2958
STEADY STATE EFFECTS OF MICROWAVE RADIATION ON MOLECULES OF BIOLOGICAL IMPORTANCE 2976
STUDIES ON THE EFFECT OF 2450 MHZ MICROWAVES ON HUMAN IMMUNOGLOBULIN G 3032
AN AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSITIES 3094
SOME ENVIRONMENTAL AND HEALTH RELATED SIDE EFFECTS OF HIGH VOLTAGE POWER TRANSMISSION 3111+
EXTREMELY HIGH VOLTAGE TRANSMISSION LINES HEALTH AND ENVI-

RONMENTAL EFFECTS: REQUEST FOR SUBMISSION DATA. 3239

ASSESSING THE POTENTIAL FOR EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES. 3251

PSEUDOSUBSTRATE BINDING TO RIBONUCLEASE DURING EXPOSURE TO MICROWAVE RADIATION AT 1.70 AND 2.45 GHZ 3382

CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES 3383

JANIAK, M.

INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTERFERON 0053

REACTION OF CELL-MEDIATED IMMUNITY TO LOCAL HYPERTHERMIA OF TUMORS AND ITS POTENTIATION BY IMMUNOSTIMULATION- A REVIEW. 0340

EFFECT OF MICROWAVES ON VIRUS MULTIPLICATION IN MAMMALIAN CELLS 1159

EFFECT OF MICROWAVES COMBINED WITH INTERFERON AND/OR INTERFERON INDUCERS (POLY I-POLY C) ON DEVELOPMENT OF SARCOMA 180 IN MICE 1160

IN VITRO AND IN VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA 2065

THE INFLUENCE OF MICROWAVE RADIATION ON NORMAL AND NEOPLASTIC CELLS 2602

EFFECT OF MICROWAVE RADIATION ON CELLS TREATED WITH MEMBRANE-INJURING SUBSTANCES 2717

INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND COLCEMIDE 2753

JANKOVICH, J. P.

EFFECTS OF LOW INTENSITY MICROWAVES ON PERFORMANCE 0506+

JANNEY, C. D.

THE CONSTRUCTION, CALIBRATION AND USE OF THERMOCOUPLES FOR MEASURING BODY TEMPERATURE 3457

JANSKY, D.

THE MANAGEMENT OF THE RADIO SPECTRUM AND ITS RELATIONSHIP TO THE ENVIRONMENT 2990+

JARABAK, J. P.

POST-SURGICAL MEASURES AND COMPARATIVE CLINICAL ANALYSIS OF ORAL TISSUE RESPONSES TO A TYPE OF EM ENERGY 2339+

JARDON, O. M.

THE ELECTRICAL ENHANCEMENT OF PERIOSTEAL PROLIFERATION IN NORMAL AND DELAYED FRACTURE HEALING 2782

JASIEWICZ, M. L.

RADIOFREQUENCY HEATING OF TUMOURS IN RODENTS 2460

JASKI, T.

EM RADIATION AS A TOOL IN THE LIFE SCIENCES 0507+

RADIO WAVES AND LIFE 3438+

JAYNES, H. O.

MICROWAVE PASTEURIZATION OF MILK 0918+

JEDRZEJCZAK, W. W.

EFFECTS OF MICROWAVES ON THE TWENTY-FOUR-HOUR RHYTHM AND TWENTY-FOUR-HOUR URINARY EXCRETION OF SEVENTEEN HYDROXYCORTICOIDS AND SEVENTEEN KETOSTEROIDS 1133

MICROWAVE RADIATION AND OTHER HARMFUL FACTORS OF WORKING ENVIRONMENT IN RADIOLOCATION: METHOD OF DETERMINATION OF MICROWAVE EFFECTS 1138

JELJASZEWICZ, J.

ACUTE STAPHYLOCOCCAL INFECTIONS IN RABBITS IRRADIATED WITH 3-GHZ MICROWAVES 1082

JENDEN, D. J.

FAST FIXATION OF BRAIN IN SITU BY HIGH INTENSITY MICROWAVE IRRADIATION: APPLICATION TO NEUROCHEMICAL STUDIES 1123

JENKINS, B. M.

ELECTROMAGNETIC SPECTRUM CONGESTION INVESTIGATION 2965+

JENNINGS, B. R.

ELECTRIC BIREFRINGENCE STUDIES OF CARTILAGE PROTEOGLYCAN AGGREGATION 2399

JENSH, R. P.

TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION 2340+

STUDIES CONCERNING THE POSTNATAL EFFECTS OF PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATION 2864+

STUDIES CONCERNING THE EFFECTS OF PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN THE PREGNANT RAT 2865+

TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION. 2881+

PROGRESS REPORT, CONTRACT NO. 137-30-9395. 2889+

JERABEK, J.

BIOLOGIC EFFECTS OF MAGNETIC FIELDS. (IN CZE) 0326+

JESSEN, W. E.

DESCRIPTION AND CALIBRATION OF PROBES USED FOR EXPLORATORY FAA FIELD INTENSTIY SURVEYS 1952

EXPLORATORY FIELD INTENSITY SURVEYS NEAR FAA TRANSMITTING ANTENNAS 1953

JESSUP, G. L.

A COMPARATIVE STUDY OF THE EFFECTS OF MICROWAVE RADIATION AND CONVENTIONAL HEATING ON THE REPRODUCTIVE CAPACITY OF DROSOPHILA MELANOGASTER. 2925

A REVIEW OF RADIUM TOXICITY STUDIES 3112

JILES, M. M.

EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON CULTIVATED RAT KANGAROO CELLS 1537

JITARIU, P.

THE ACTION OF MAGNETIC FIELDS ON THE ANIMAL ORGANISM (IN FRENCH) 2629+

JOE, B. T.

RADIATION AND MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCER 0012

PRELIMINARY CLINICAL RESULTS OF 433 MEGAHERTZ MICROWAVE THERAPY AND RADIATION THERAPY ON PATIENTS WITH ADVANCED CANCER 2336

JOELSSON, I.

THE RADIOFREQUENCY FIELD DISTRIBUTION SURROUNDING COILS FOR INTRAUTERINE DIAGNOSTIC PROCEDURES 1959

JOGLEKAR, P. J.

MULTIPLE AND PARTIAL CORRELATION BETWEEN ATMOSPHERIC NOISE LEVELS AT DIFFERENT FREQUENCIES 3176+

JOHLER, J. R.

ZONAL HARMONICS IN LOW FREQUNCY TERRESTRAIL KADIO WAVE PROPAGATION 3569+

JOHN, J.

HEALTH CONDITION OF WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION 3193

JOHNSON, C. C.

INTERDISCIPLINARY AND INTERNATIONAL CONTRIBUTIONS TO RESEARCH ON BIOLOGICAL EFFECTS OF ELECTROMAGNETIC WAVES: PAST PERFORMANCES AND FUTURE CHALLENGES 0080+

PHYSIOLOGIC EFFECTS OF DEEP HYPERTHERMIA AND MICRO- WAVE REWARMING: POSSIBLE APPLICATION FOR NEONATAL CARDIAC SURGERY. 0203

APPROXIMATE CALCULATION OF SAR FOR PLANEWAVE IRRADIATION OF MAN MODEL NEAR A GROUND PLANE.
0242

AN EMPIRICAL FORMULA FOR BROAD-BAND SAR CALCULATIONS OF PROLATE SPHEROIDAL MODELS OF HUMANS AND ANIMALS.
0301

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES.
0414

RESEARCH NEEDS FOR ESTABLISHING A RADIO FREQUENCY EMR SAFETY STANDARD
0633+

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIOFREQUENCY POWER
0742

EM POWER DEPOSITION IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PHYSIOLOGIC CONSEQUENCES
0811

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK
0878+

DISCUSSION PAPER: FIBEROPTIC LIQUID CRYSTAL PROBE FOR ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREMENT IN TISSUE DURING IRRADIATION
1103+

LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF A PROLATE SPHEROID MODEL OF MAN
1174

MEDICAL DIAGNOSTIC APPLICATIONS OF MICROWAVE RADIATION
1191

AN INVESTIGATION OF THE USE OF MICROWAVE RADIATION FOR PULMONARY DIAGNOSTICS
1241

LONG-WAVELENGTH EM POWER ABSORPTION IN PROLATE SPHEROIDAL MODELS OF MAN AND ANIMALS
1305+

EM POWER ABSORPTION IN ANISOTROPIC TISSUE MEDIA
1306+

RECOMMENDATIONS FOR SPECIFYING EM WAVE IRRADIATION CONDITIONS IN BIOEFFECTS RESEARCH
1330+

NERVE STIMULATION BY IMPLANTED MICROWAVE DIODE
1494+

LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF AN ELLIPSOIDAL MODEL OF MAN
1611

LONG-WAVELENGTH EM POWER ABSORPTION IN ELLIPSOIDAL MODELS OF MAN AND ANIMALS
1612

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIO FREQUENCY POWER
1684

POWER DEPOSITION IN A SPHERICAL MODEL OF MAN EXPOSED TO 1-20-MHZ EM FIELDS
1700

LIQUID-CRYSTAL FIBEROPTIC RF PROBES, PART 1: TEMPERATURE PROBE FOR M/W FIELDS
1723+

LIQUID CRYSTAL FIBEROPTIC TEMPERATURE PROBE FOR THE MEASUREMENT OF EM POWER ABSORPTION IN TISSUE
1749+

ANSI COMMITTEE C-95 COMMENTS ON: 'RESEARCH NEEDS FOR ESTABLISHING A RADIO FREQUENCY EMR SAFETY STANDARD'
1800+

A NONPERTURBING TEMPERATURE SENSOR FOR MEASUREMENTS IN EM FIELDS
1819

THEORETICAL CALCULATIONS OF POWER ABSORBED BY MONKEY AND HUMAN PROLATE SPHEROIDAL PHANTOMS IN AN IRRADIATION CHAMBER
2193

PERFORMANCE OF THE LCOF PROBE IN CALORIMETRIC AND TISSUE TEMPERATURE MONITORING APPLICATIONS
2201

DIAGNOSTIC APPLICATION OF MICROWAVE RADIATION IN PULMONARY MEDICINE
2202

LOW-LEVEL MICROWAVE INTERACTION WITH ISOLATED MAMMALIAN HEARTS
2446

MONITORING AND DIAGNOSIS OF PULMONARY EDEMA BY MICROWAVES: A PRELIMINARY REPORT
2463

DESCRIPTIVE SUMMARY: RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK
2735+

COMPARISON OF THE AVERAGE SPECIFIC ABSORPTION RATE IN THE ELLIPSOIDAL CONDUCTOR AND DIELECTRIC MODELS OF HUMANS AND MONKEYS AT RADIO FREQUENCIES
2737

RESEARCH NEEDS FOR ESTABLISHING A RADIO FREQUENCY ELECTROMAGNETIC RADIATION SAFETY STANDARD.
2915+

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK.
2927

NONIONIZING ELECTROMAGNETIC WAVE EFFECTS IN BIOLOGICAL MATERIALS AND SYSTEMS.
3215+

JOHNSON, D. L.

THERMAL AND ATHERMAL EFFECTS OF 2.8 GHZ MICROWAVES ON THREE HUMAN SERUM ENZYMES
1815

THERMAL AND ATHERMAL EFFECTS OF MICROWAVE RADIATION ON THE ACTIVITY OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN HUMAN BLOOD
1982

JOHNSON, R.

THE EFFECT OF POST-RADIATION HYPERTHERMIA ON HUMAN SKIN AND TUMOR RESPONSE
2341+

JOHNSON, R. B.

STUDY OF EFFECTS OF LONG-TERM LOW-LEVEL RF EXPOSURE ON RATS: A PLAN.
0400

DISCRIMINATIVE CONTROL OF APPETITIVE BEHAVIOR BY PULSED MICROWAVE RADIATION IN RATS
2164+

EFFECTS OF PRE-AND POST-NATAL EXPOSURES TO 918 MHZ MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVIOR IN RATS
2700+

JOHNSON, R. C.

NEW TECHNIQUES FOR IMPLEMENTING MICROWAVE BIOLOGICAL- EXPOSURE SYSTEMS
0446

JOHNSON, R. J.

THE DEVELOPMENT OF HYPERTHERMIA MICROWAVE GENERATORS AND THERMOMETRY
2361

JOHNSON, R. J. R.

RADIATION AND HYPERTHERMIA
0327+

JOHNSON, R. K.

EFFECTS OF LOCAL TUMOR HYPERTHERMIA ON THE GROWTH OF SOLID MOUSE TUMORS.
0333

JOHNSTON, V. C.

COMPARISON OF RELATIVE HEATING PATTERNS PRODUCED IN TISSUES BY EXPOSURE TO MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AND 900 MEGACYCLES.
3329

COMPARISON OF DEEP HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES
3544

TEMPERATURE DISTRIBUTIONS AS PRODUCED BY MICROWAVES IN SPECIMENS UNDER THERAPEUTIC CONDITIONS
3545

JOINES, W. T.

A SEMICLASSICAL THEORY FOR NERVE EXCITATION BY A LOW INTENSITY EM FIELD
0647

RECEPTION OF MICROWAVES BY THE BRAIN
0838+

EFFECTS OF LOW-INTENSITY MICROWAVES ON ISOLATED NEURONS
1058

STRIPLINE TECHNIQUES IN THE STUDY OF MICROWAVE BIOLOGICAL EFFECTS ON ISOLATED NEURAL PREPARATIONS
1213

MICROWAVE-POWER ABSORPTION BY RECTANGULAR-SHAPED CONDUCTIVE DIELECTRIC SAMPLES IN STRIPLINE
1646+

RESONANCE ABSORPTION OF MICROWAVES BY THE HUMAN SKULL
1704+

A NEW METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF CONDUCTIVE MATERIALS AT MICROWAVE FREQUENCIES
3141

DETERMINING THE ELECTRICAL PROPERTIES OF NORMAL AND MALIGNANT BIOLOGICAL TISSUE IN VIVO
3142+

JOLLES, B.

STUDIES OF THE INFLUENCE OF WAVELENGTH ON BIOLOGICAL EFFECTS
2508+

JOLLY, J. A.

DOUGLAS-FIR TREE SEED GERMINATION ENHANCEMENT USING MICROWAVE ENERGY
1977+

JOLY, R.

BIOLOGICAL EFFECTS OF UHF EMR (RADAR) (IN FRENCH) 0508+

INFLUENCE OF EMR OF VHF ON THE SENSITIVITY TO THE TRIIODOETHYL SALT OF GALLIUM AND TO THE HEXAMETHYL IDONIUM SALT ON THE WHITE RAT (IN FRENCH) 0861

INFLUENCE OF HIGH FREQUENCY EMR ON THE SENSITIVITY TO PENTETRAZOL OF THE WHITE MOUSE (IN FRENCH) 0862

PHARMACOLOGIC EFFECTS OF A PULSED MICROWAVE FIELD 1274

EXPERIMENTAL STUDY OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION ON THE WHITE RAT AND MOUSE 1891

ELECTRO-CORTICO-GRAPHIC MODIFICATIONS AFTER EXPOSURE TO MICROWAVE FIELDS, ON THE WHITE RAT 1949

STUDY OF THE ACTION OF EMR OF VERY HIGH FREQUENCY (RADAR) ON THE CENTRAL NERVOUS SYSTEM OF THE WHITE RAT. ELECTROCORTICOGRAPHICAL MODIFICATIONS (IN FRENCH) 2628

JONES, A. H.

RF RESPONSE OF RADIATION SURVEY INSTRUMENTS 1286

JONES, B. L.

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3466

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3573

JONES, D.

INTERFERENCE HAZARDS WITH AUSTRALIAN NON-COMPETITIVE ('DEMAND') PACEMAKERS 3580

JONES, D. C.

MORTALITY IN RATS EXPOSED TO CW MICROWAVE RADIATION AT 0.95, 2.45, 4.54, AND 7.44 GHZ 1388

JONES, D. J.

THE LEVELS OF LABILE INTERMEDIARY METABOLITES IN MOUSE BRAIN FOLLOWING RAPID TISSUE FIXATION WITH MICROWAVE IRRADIATION 0810

LEVELS OF CYCLIC NUCLEOTIDES IN MOUSE REGIONAL BRAIN FOLLOWING 300MS MICROWAVE INACTIVATION 2526+

INFLUENCE OF INJECTED PSYCHOACTIVE DRUGS ON CYCLIC AMP LEVELS IN MOUSE BRAIN AND LUNG FOLLOWING MICROWAVE IRRADIATION 2769

JONES, J.

THERMOGENETIC AND CARDIODYNAMIC REGULATION IN DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES 0655

NEUROENDOCRINE AND CARDIODYNAMIC RESPONSE OF THE DOG SUBJECTED TO CRANIAL EXPOSURE TO 2450 MHZ MICROWAVES 2445

JONES, S.

EFFECTS OF SMALL ELECTRICAL CURRENTS ON COLLAGEN IN SOLUTION 0854

JONSCHER, A. K.

HOPPING LOSSES IN POLARISABLE DIELECTRIC MEDIA 0750+

JORDANSKI, H.

THE INFLUENCE OF EM WAVES ON THE COURSE OF AN INFECTION WITH NEWCASTLE DISEASE VIRUS IN CHICK EMBRYO TRACHEAL ORGAN CULTURES (IN GERMAN) 0817

EXPERIMENT ON THE EFFECT OF EM WAVES ON THE REACTIVITY OF CELLS AND TISSUES. IV. COMMUNICATION: EFFECT OF IRRADIATION WITH RED-LIGHT AND MICROWAVES ON THE REACTIVITY OF THE CHORIOALLANTOIC MEMBRANE 2016

JORGENSEN, T. E.

ELECTRICAL STIMULATION OF HUMAN FRACTURE HEALING BY MEANS OF A SLOW PULSATING, ASYMMETRICAL DIRECT CURRENT 2784+

JOSHI, G. P.

BEHAVIOUR OF THE CILIATE, PARAMECIUM BURSARIA FOCKE, IN EM FIELD 1913+

JOSHI, S. R.

MUTAGENICITY INDUCED BY NON-IONIZING RADIATION IN SWISS MALE MICE 2178

JOSIFKO, M.

CHANGE IN THE BLOOD COUNT OF GROWING RATS IRRADIATED WITH A MICROWAVE PULSE FIELD. 0182

JUENEMAN, F. B.

HAD YOUR RADIATION DOSE TODAY? 1877+

INNOVATIVE NOTEBOOK: HAD YOUR RADIATION DOSE TODAY? 2909+

JULIAN, G. R.

OXIDATION OF AMINO ACIDS BY SINGLET OXYGEN: I. COMPARISON OF DYE SENSITIZED PHOTOOXIDATION AND MICROWAVE GENERATED SINGLET OXIDATION 2046

JUNG, H.

EFFECT OF LOCAL HYPERTHERMIA INDUCED BY MICROWAVES AND XRAYS ON WALKER'S CARCINOMA OF THE RAT. (IN GER.) 0136

JUNG, R.

INFLUENCE OF MICROWAVE IRRADIATION ON CULTURED GLIOMA CELLS I. AN ENZYMATIC AND SCANNING ELECTRON MICROSCOPY STUDY 0293

JUNG, R. W.

IMMUNOLOGIC STUDIES IN HYPERPYREXIA 0509+

JUSTESEN, D. R.

RETARDED TUMOR GROWTH AND GREATER LONGEVITY IN MICE AFTER FETAL IRRADIATION BY 2450-MHZ MICROWAVES 0026

MICROWAVE HAZARDS. 0150

ACCELERATION AND DECELERATION OF FETAL GROWTH OF RATS BY 2450 MHZ MICROWAVE IRRADIATION. 0222

BIOLOGICAL ELECTRO-MAGNETIC INTERFERENCE (BEMI) 0243+

MICROWAVE IRRADIATION AND THE BLOOD-BRAIN BARRIER. 0398+

BEHAVIORAL SENSITIVITY TO MICROWAVE IRRADIATION 0514

MICROWAVES AND BEHAVIOR 0924+

INTRODUCTION: EFFECTS ON BEHAVIOR 1091+

PHYCHOGENIC STRESSORS ARE POTENT MEDIATORS OF THE THERMAL RESPONSE TO MICROWAVE IRRADIATION 1251+

BEHAVIORAL EFFECTS OF LOW LEVEL MICROWAVE IRRADIATION IN THE CLOSED-SPACE SITUATION 1541+

A MICROWAVE OVEN FOR BEHAVIOURAL AND BIOLOGICAL RESEARCH: ELECTRICAL AND STRUCTURAL MODIFICATIONS, CALORIMETRIC, DOSIMETRY, AND FUNCTIONAL EVALUATION 1713+

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER FETAL IRRADIATION OF MICE BY 2450-MHZ MICROWAVE ENERGY 1805

TOWARD A PRESCRIPTIVE GRAMMAR FOR THE RADIOBIOLOGY OF NON- IONISING RADIATIONS: QUANTITIES, DEFINITIONS, AND UNITS OF ABSORBED EM ENERGY--AN ESSAY 1905+

DIATHERMY VERSUS THE MICROWAVES AND OTHER RADIO-FREQUENCY RADIATIONS: A ROSE BY ANOTHER NAME IS A CABBAGE 2381+

MICROWAVE HYPERTHERMIA AND THE VISUALLY EVOKED POTENTIALS: PRELIMINARY OBSERVATIONS OF GUINEA PIGS 2662+

DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER 2738

A TERATOLOGICAL STUDY OF THE RAT: MICROWAVE AND INFRARED RADIATIONS COMPARED 2754

EFFECTS OF A 60-HZ MAGNETIC FIELD ON ACTIVITY LEVELS OF MICE 2765

MICROWAVE-INDUCED TERATOLOGY IN THE RAT 2880

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER THE TIME

OF DEATH AND TOTAL ABSORBED DOSE IN THE MICROWAVE ENERGY. 2882

DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER. 2897

FETAL RAT DEVELOPMENT IN RESPONSE TO MICROWAVE RADIATION. 2899

JUSTESEN, L. R.

PHYCHOGENIC STRESSORS ARE POTENT MEDIATORS OF THE THERMAL RESPONSE TO MICROWAVE IRRADIATION 1251

K

KACZMAREK, L. K.

EFFECTS OF MODULATED VHF FIELDS ON THE CENTRAL NERVOUS SYSTEM 1060

WEAK ELECTRIC GRADIENTS CHANGE IONIC AND TRANSMITTER FLUXES IN CORTEX 1493+

FACTORS AFFECTING THE RELEASE OF TAURINE FROM CAT BRAIN: THE ELECTRICAL EFFECTS OF TAURINE ON NORMAL AND SEIZURE PRONE CORTEX 1517+

CATION BINDING MODELS FOR THE INTERACTION OF MEMBRANES WITH EM FIELDS 2423+

KADOUM, A. M.

METABOLISM IN THE YELLOW MEALWORM, TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE), FOLLOWING EXPOSURE TO RADIOFREQUENCY ELECTRIC FIELDS 0493+

MORTALITY AND INTERNAL HEATING IN RADIOFREQUENCY-TREATED LARVAE OF TENEBRIO MOLITOR 0962+

MORPHOLOGICAL ABNORMALITIES RESULTING FROM RADIOFREQUENCY TREATMENT OF LARVAE OF TENEBRIO MOLITOR 0964+

KAHLER, H.

THE NATURE OF THE EFFECT OF A HIGH-FREQUENCY ELECTRIC FIELD UPON PARAMOECIUM 3464+

KAHN, A. R.

WORKSHOP ON SOURCES AND SAFE LEVELS OF ELECTRIC AND MAGNETIC FIELDS 1681+

KAHN, L. O.

THE EFFECTS OF AN ELECTRIC FIELD ON SOLUBLE COLLAGEN 0915+

KAHN, W. K.

WORKSHOP ON FUTURE DIRECTIONS OF ELECTROMAGNETICS OF CONTINUOUS MEDIA 3058

KALADA, T. V.

GENERAL EFFECTS OF MICROWAVE RADIATION 0894

BIOLOGIC EFFECTS OF RADIATION IN THE 30-300 MHZ RANGE 1276+

KALANT, H.

PHYSIOLOGICAL HAZARDS OF MICROWAVE RADIATION: A SURVEY OF PUBLISHED LIT. 0940+

KALL, A. R.

FINAL TECHNICAL REPT. ON RESEARCH PROJECT O STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 1 1424+

STUDIES OF BIOLOGICAL HAZARDS FROM HIGH-POWER HF BAND TRANSMITTERS 1527

GASTROINTESTINAL MOTOR ACTIVITY FOLLOWING EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIELD 1853

FINAL TECHNICAL REPORT ON RESEARCH PROJECT TO STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS 2979+

STUDIES OF RF BIOLOGICAL HAZARDS FROM HIGH POWER TRANSMITTERS OPERATING IN THE HF BAND (SUMMARY) 3059+

RADIATION HAZARDS CAUSED BY HIGH-POWER, HIGH-FREQUENCY FIELDS 3509+

KALTENHAUSER, A.

INVESTIGATION OF AN ASSUMED SYNERGISTIC EFFECT OF RADIO FREQUENCY RADIATION AND IONIZING RADIATION ON THE HUMAN ORGANISM 0228

KALYADA, T. V.

TEMPERATURE REACTION OF THE SKIN DURING IRRADIATION WITH MICRO-WAVES OF LOW INTENSITY 0607

KAMAL, A. A.

AN UPPER BOUND ON COEFFICIENT OF TRANSMISSION OF MICROWAVE LEAKAGE INTO BIOLOGICAL TISSUES 1150+

KAMAL, A. K.

NERVE IN EXCITABLE STATE IN MICROWAVE FIELD 0794+

KAMAT, G. P.

STUDIES ON THE EFFECT OF 2450 MHZ MICROWAVES ON HUMAN IMMUNOGLOBULIN G 3032+

KAMENSKII, Y. I.

EFFECT OF MICROWAVES ON THE FUNCTIONAL STATE OF THE NERVE 1941+

KAMRA, O. P.

MODIFICATION OF BARLEY SEED RADIOSENSITIVITY WITH MICROWAVE RADIATION–I. EFFECT OF MOISTURE CONTENT AND POST-RADIATION HYDRATION 1961+

KANDA, M.

TIME AND AMPLITUDE STATISTICS FOR ELECTROMAGNETIC NOISE IN MINES 3562+

KANDOIAN, A. G.

THE ROLE OF THE DEPARTMENT OF COMMERCE IN TELECOMMUNICATIONS 2985+

KANE, I. M.

ELECTRICAL SAFETY IN HEALTHCARE FACILITIES 2357

KANE, L. J.

A SYSTEM FOR DEVELOPING MICROWAVE INDUCED HYPERTHERMIA IN SMALL ANIMALS 2454

A SYSTEM FOR DEVELOPING MICROWAVE-INDUCED HYPERTHERMIA IN SMALL ANIMALS. 2922

KANNE, W.

CONSTRUCTION AND EVALUATION OF A KIT-FORM MICROWAVE OVEN, BRH/DEP 71-7 3038+

KANTACK, B. H.

STORED-GRAIN INSECT CONTROL STUDIES WITH RADIO-FREQUENCY ENERGY 0977

KANTOR, G.

FREE-SPACE ELECTRIC FIELD MAPPING OF MICROWAVE DIATHERMY APPLICATORS 0033

THE PERFORMANCE OF A NEW DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY 0047+

A LIMITED MICROWAVE DIATHERMY FIELD SURVEY 0759+

A COMPARATIVE PERFORMANCE STUDY OF SPACED APPLICATORS IN MICROWAVE DIATHERMY 1154+

MAPPING OF FREE SPACE AND SCATTERED FIELDS IN MICROWAVE DIATHERMY 2212+

THE DESIGN AND PERFORMANCE OF A CIRCULARLY POLARIZED DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY 2456+

INFRARED EMITTANCE OF EM PHANTOM MATERIALS AND INFRARED TRANSMITTANCE OF POLYETHYLENE 2669

NEW TYPES OF MICROWAVE DIATHERMY APPLICATORS–COMPARISON OF PERFORMANCE WITH CONVENTIONAL TYPES 2674+

A COMPARATIVE HEATING-PATTERN STUDY OF DIRECT-CONTACT APPLICATORS IN MICROWAVE DIATHERMY 2742+

KANZENBACH, J.

A NEW RADIATION BALANCE MICROWAVE THERMOGRAPH FOR SIMULTANEOUS AND INDEPENDENT TEMPERATURE AND EMISSIVITY MEASUREMENTS 0255

KAO, C. C.
THREE DIMENSIONAL ELECTROMAGNETIC SCATTERING FROM A CIRCULAR TUBE OF FINITE LENGTH. 3303+

KAPELUSZNY, A.
ENVIRONMENTAL PROTECTION FROM EMR DESCRIBED 1496+

KAPLAN, E. G.
CLINICAL EVALUATION OF DIAPULSE AS ADJUNCTIVE THERAPY FOLLOWING FOOT SURGERY 1812+

KAPLAN, H. M.
HISTOPATHOLOGIC CHANGES IN RAT LIVER FOLLOWING 2450 MHZ MICROWAVE RADIATION 1314

NONUNIFORM BIOPHYSICAL HEATING WITH MICROWAVES 1528

KAPLAN, H. S.
FUNDAMENTAL MECHANISMS IN COMBINED MODALITY THERAPY OF CANCER 1211+

KAPLAN, I. T.
EFFECT OF MICROWAVES ON THE RABBIT EYE 0675

ABSENCE OF HEART-RATE EFFECTS IN RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATION 0695+

MICROWAVE AND INFRA-RED EFFECTS ON HEART RATE, RESPIRATION RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT 0921

CLINICAL MICROWAVE CATARACTS 1530

EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE 2155

OCULAR EFFECTS OF 35 AND 107 GHZ CW MICROWAVES 2440

KAPPEL, D. A.
IN VIVO ELECTROPHYSIOLOGY OF TENDONS AND APPLIED CURRENT DURING TENDON HEALING 1679+

KAPTEREVA, I. V.
INVESTIGATION OF THE EFFECT OF LOW-INTENSITY UHF EM WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUSSIAN) 1633

KAPUL'TSEVICH, I. G.
QUANTITATIVE ANALYSIS OF YEAST CELL INACTIVATION AFTER EXPOSURE TO SHF IRRADIATION. (IN RUSSIAN) 0338

KARAGIOSOV, I.
CERVICAL ENDOMETRIOSIS AS A COMPLICATION AFTER DIATHERMIC COAGULATION OF THE UTERINE CERVIX (IN BULGARIAN) 1407+

KARAMYSHEV, V. B.
INDUSTRIAL HYGIENE PROBLEMS OF WORKING WITH ULTRA-SHORT-WAVE TRANSMITTERS USED IN TELEVISION AND RADIO BROADCASTING 2556

KARCHES, G. J.
AN OVERVIEW OF DIATHERMY SOURCES 3185+

KARP, A.
A MICROWAVE EXPOSURE SYSTEM FOR PRIMATES 2741

KARP. A.
MORTALITY IN RATS EXPOSED TO CW MICROWAVE RADIATION AT 0.95, 2.45, 4.54, AND 7.44 GHZ 1388

KARTASHOV, N. V.
X-RADIATION IN UHF EQUIPMENT 1339

KARTSOVNYKH, S. A.
CHANGES IN THE PERIPHERAL BLOOD OF GUINEA PIGS INDUCED BY A THREE CENTIMETER EM FIELD 1488+

KASHYAP, C. S.
CONTROL OF GRAIN INSECTS BY MICROWAVE POWER. 3066

KASHYAP, S. C.
MICROWAVE LEAKAGE INDICATION 1148+

KATORGINA, O. A.
VASCULAR CHANGES IN ANTERIOR SEGMENT OF THE EYE IN WORKERS SUBJECTED TO THE ACTION OF LOCAL VIBRATION AND HIGH- FREQUENCY EMR (IN RUSSIAN) 2073+

KATZ, J. B.
BIOCHEMICAL CHANGES IN THE BRAIN OF RATS EXPOSED TO MICROWAVES OF LOW POWER DENSITY 1141

PGE-STIMULATION OF ADENYL CYCLASE IN THE BRAIN OF RATS EXPOSED TO LOW POWER DENSITY MICROWAVE RADIATION 2412

KATZBERG, A. A.
THE INDUCTION OF CELLULAR ORIENTATION BY LOW-LEVEL ELECTRICAL CURRENTS 2235+

KAUFMAN, G. E.
LACK OF EFFECT OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 1171

CRITICAL REVIEW OF THE BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS 1664+

KAUFMAN, L.
VISUALLY EVOKED MAGNETIC FIELDS OF THE HUMAN BRAIN 2099

KAUNE, W. T.
BIOLOGICAL EFFECTS OF HIGH STRENGTH ELECTRIC FIELDS ON SMALL LABORATORY ANIMALS. 0431

EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY 0738

BIOLOGICAL EFFECTS OF STATIC AND LOW FREQUENCY EM FIELDS: AN OVERVIEW OF UNITED STATES LITERATURE 2393

KAWABATAKE, H.
SINGLE NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM 3394

KAWAMURA, H.
SINGLE NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM 3394

KAY, A. M.
CLINICAL MICROWAVE CATARACTS 1530

KAYE, M. P.
SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS 1754

KAZBEKOV, I. M.
THE PROBLEM OF GLIO-NEURONAL RELATIONSHIP IN THE RAT CEREBRAL CORTEX DURING LONG-TERM EXPOSURE TO MICROWAVES 1462+

STUDIES ON THE REPRODUCTION AND TESTICULAR MICROSTRUCTURE OF MICE EXPOSED TO MICROWAVES 2873

KAZIC, T.
INFLUENCE OF ADENOSINE, CAMP AND DB-CAMP ON RESPONSES OF THE ISOLATED TERMINAL GUINEA-PIG ILEUM TO ELECTRICAL STIMULATION 1875+

KEEFE, S. E.
STANDING WAVE METHODS FOR MEASURING PERMITTIVITIES AT METER AND DECIMETER WACELENGTHS 3536

KEELE, C. A.
REGULATION OF BODY TEMPERATURE IN MAN. 2914+

KEENUM, J. L.
ELECTROMAGNETIC SPECTRUM CONGESTION INVESTIGATION 2965

KEESEY, J. C.
BIBLIOGRAPHY ON SAFE HUMAN THRESHOLDS TO EXTRA-LOW-FREQUENCY ELECTRIC CURRENT 0510+

HUMAN THRESHOLDS OF ELECTRIC SHOCK AT POWER TRANSMISSION FREQUENCIES 2022+

MINIMUM THRESHOLDS FOR PHYSIOLOGICAL RESPONSES TO FLOW OF ALTERNATING ELECTRIC CURRENT THROUGH THE HUMAN BODY AT POWER-TRANSMISSION FREQUENCIES 3017+

KEETON, W. T.
BAR MAGNETS MASK THE EFFECT OF NORMAL MAGNETIC DISTURBANCES ON PIGEON ORENTATION. 0169

MAGNETS INTERFERE WITH PIGEON HOMING 2109+

BIOLOGICAL SENSITIVITY TO MAGNETIC FIELDS IN ORIENTATIONAL RESPONSES 2417+

KEILMANN, F.
RESONANT GROWTH RATE RESPONSE OF YEAST CELLS IRRADIATED BY WEAK MICROWAVES 2697

KEL', A. A.
EFFECT OF A MODULATED EM FIELD ON SELF-STIMULATION RESPONSE IN RATS 2546

KELLEHER, K. S.
RAPID MEASUREMENT OF DIELECTRIC CONSTANT AND LOSS TANGENT 3446

KELLOGG, R. B.
MICROWAVE POWER DENSITY ABSORPTION IN A SPHERICAL MULTILAYERED MODEL OF THE HEAD 2198

KELLY, C.
HEMATOLOGICAL RESPONSE OF FETAL RATS FOLLOWING 2450 MHZ MICROWAVE IRRADIATION 3387

KELLY, K. A.
DUODENAL-GASTRIC REFLUX AND SLOWED GASTRIC EMPTYING BY ELECTRICAL PACING OF THE CANINE DUODENAL PACESETTER POTENTIAL 1840+

KEMEMY, G.
QUANTITATIVE EVIDENCE FOR PROTEIN DENATURATION AS THE CAUSE OF THERMAL DEATH 3500

KENDALL, F. M.
FINAL TECHNICAL REPT. ON RESEARCH PROJECT TO STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 2 1425
GASTROINTESTINAL MOTOR ACTIVITY FOLLOWING EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIELD 1853

KENNAIR, J. T.
CONTINUOUS MONITOR OF DANGEROUS LEVELS OF MICROWAVE POWER 0800
A MINIATURE PORTABLE MICROWAVE POWER MONITOR 1146

KENT, M.
FISH MUSCLE IN THE FROZEN STATE: TIME DEPENDENCE OF ITS MICROWAVE DIELECTRIC PROPERTIES 0901+

KEPLINGER, M.
EFFECTS OF ENVIRONMENTAL TEMPERATURE AND AIR VOLUME EXCHANGE ON SURVIVAL OF RATS EXPOSED TO MICROWAVE RADIATION OF 24,000 MEGACYCLES 0469
RELATION OF INTERRUPTED PULSED MICROWAVES TO BIOLOGICAL HAZARDS 0470
REVIEW OF THE WORK CONDUCTED AT U. OF MIAMI 1578+

KERELUK, K.
MICROBIOLOGICAL ASPECTS OF EM ENERGY IN COMBINATION WITH OTHER PHYSICAL FACTORS 2509+

KERKER, M.
INVISIBLE BODIES 1018+

KERN, W.
ABNORMALITIES AND INTRA-UTERINE DEATH FOLLOWING MICROWAVE THERAPY IN EARLY PREGNANCY, ANIMAL EXPERIMENTS (IN GERMAN) 0670
DEFORMITY AND INTRA-UTERINE DEATH AFTER SHORT-WAVE THERAPY IN EARLY PREGNANCY IN EXPERIMENTAL ANIMALS 2879
ABORTION FOLLOWING ULTRA-SHORT-WAVE HYPERTHERMIA ANIMAL EXPERIMENTS. 2883

KERNS, J.
MORPHOLOGIC ALTERATIONS IN HAMSTER BLOOD-BRAIN BARRIER AFTER MICROWAVE IRRADIATION 2787

KESAVAN, P. C.
MODIFICATION OF BARLEY SEED RADIOSENSITIVITY WITH MICROWAVE RADIATION--I. EFFECT OF MOISTURE CONTENT AND POST-RADIATION HYDRATION 1961

KESELMAN, S. A.
USE OF DIADYNAMIC CURRENTS IN THE TREATMENT OF INJURIES OF JOINTS (IN RUSSIAN) 2069

KESHELAVA-GOGICHADZE, M. V.
EFFECT OF LOW-FREQUENCY ELECTRIC STIMULATION OF THE CAUDATE NUCLEUS ON THE CORTICAL ELECTRIC ACTIVITY AND THE WAKEFULNESS-SLEEP CYCLE (IN RUSSIAN) 1406

KESHISHIAN, J. M.
EFFECT OF AN ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS 2036
THE BEHAVIOR OF TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS 2086+
ANTI-HIJACKING EFFORTS AND CARDIAC PACEMAKERS--REPORT OF A CLINICAL STUDY 2969

KESNER, R. P.
BEHAVIORAL EFFECTS OF RESONANT EM POWER ABSORPTION IN RATS 2166

KETCHUM, L. D.
IN VIVO ELECTROPHYSIOLOGY OF TENDONS AND APPLIED CURRENT DURING TENDON HEALING 1679

KETTERER, F. D.
TEMPERATURE DEPENDENCE OF THE MICROWAVE PROPERTIES OF AQUEOUS SOLUTIONS OF ETHYLENE GLYCOL BETWEEN +15 DEGREE CELSIUS AND -70 DEGREE CELSIUS. 0172
MICROWAVE PROPERTIES OF CRYOPROTECTANTS 3412

KEVANISHVILI, G. S.
FUNCTIONAL RELATIONSHIP OF THE ATMOSPHERIC SPECTRUM OF ELECTRICAL DISCHARGES AND THE BIOLOGICAL ACTIVITY OF LIVING ORGANISMS (IN RUSSIAN) 2724

KEVORK'IAN, A. A.
WORK WITH ULTRAHIGH FREQUENCY IMPULSE GENERATORS FROM THE POINT OF VIEW OF WORK HYGIENE 3441+

KEY, M.
THE THERMAL, NON-THERMAL AND THERAPEUTIC EFFECTS OF 2450 MHZ RADIATION ON MAMMALIAN CELLS 2342+

KHAFIZOV, R. Z.
TECHNIQUE FOR DERIVING ELECTROGRAMS OF THE HEART OF THE INTACT FROG DURING EXPOSURE TO SUPERHIGH FREQUENCY FIELD 2809

KHALIFA, M.
IMPROVED METHOD FOR CALCULATING DC CORONA LOSSES 3114+

KHAN, M. R.
ELECTRICAL FIELD DISTRIBUTION IN THE HUMAN BODY 0869

KHANANAYEV, L. I.
EFFECT OF MAGNETIC FIELD ON THE ELECTRICAL CONDUCTIVITY OF CHICKEN EGG PROTEINS AND YOLK DURING EARLY STAGES OF INCUBATION 0219
EFFECT OF A PULSED MAGNETIC FIELD ON CHICK EMBRYOS IN THE 48TH HOUR OF INCUBATION, AND ON HATCHING RATE 1559+

KHAREYN, M. P.
PERMEABILITY OF THE MUCOUS MEMBRANE OF THE FRONTAL SINUS UNDER THE INFLUENCE OF MICROWAVES 1302

KHATTER, J. C.
FREQUENCY-DEPENDENT CHANGES IN THE CARDIAC SARCOLEMMAL ATPASE 1841+

KHIZHNIAK, E. P.
NEW ARTIFACT-FREE ELECTRODES FOR RECORDING OF BIOLOGICAL POTENTIALS IN STRONG EM FIELDS 2743

KHODAN, I. V.
COMPARATIVE ASSESSMENT OF ULTRASOUND AND MICROWAVE THERAPY OF CHRONIC TONSILLITIS IN EPILEPTIC PATIENTS 1928+

KHOLODOV, Y. A.
EFFECT OF THE MAGNETIC FIELD OF A SOLENOID ON THE CENTRAL NERVOUS SYSTEM 0727+
BIOLOGICAL EFFECT OF NATURAL AND WEAK ARTIFICIAL MAGNETIC FIELDS (ON THE STATE OF THE ART) 1003+
EM FIELDS AND THE BRAIN 1266+
THE MAGNETIC FIELD--A STRANGE STIMULUS 1553+

BARRIER MECHANISMS OF THE NEUROGLIA IN THE PROCESS OF INHIBITION UNDER THE EFFECT OF WEAK STIMULI 1990

ELECTROPHYSIOLOGICAL ANALYSIS OF RESPONSES OF THE CENTRAL NERVOUS SYSTEM TO ELECTROMAGNETIC FIELDS 2480+

THE EFFECT OF ELECTROMAGNETIC AND MAGNETIC FIELDS ON THE CENTRAL NERVOUS SYSTEM. 3070+

BIOCHEMICAL ASPECTS OF THE BIOLOGICAL EFFECT OF A LOW- FREQUENCY PULSED ELECTROMAGNETIC FIELD. 3245+

KHRAMOVA, M. D.

X-RADIATION IN UHF EQUIPMENT 1339

ENVIRONMENTAL STUDIES IN RADIO-RELAY STATIONS 1341

KHRAMOVA, N. D.

COMBINED EFFECTS OF UHF AND SOFT X-RADIATION ON ANIMALS 1366

METHODS FOR THE INVESTIGATION OF RADIATION FIELD DISTRIBUTION OF RADAR STATIONS AT CIVIL AVIATION AIRPORTS 1438+

REGIONAL LOCATION OF METEOROLOGICAL RADAR STATIONS 1439+

DISTRIBUTION OF ULTRASHORT WAVE FIELDS IN THE VICINITIES OF URBAN TELEVISION CENTERS 1440+

KHRAPKO, A. M.

THE POSSIBLE ROLE OF WATER IN TRANSFER OF MILLIMETER RANGE RADIATION TO BIOLOGICAL OBJECTS. 0241

KHURGIN, Y. I.

OUTLOOK FOR STUDY OF THE MECHANISMS OF THE NONTHERMAL EFFECTS OF MILLIMETER- AND SUBMILLIMETER-BAND EMR ON BIOLOGICALLY ACTIVE COMPOUNDS 2307

KIENAST, D.

DANGER PROBLEMS DERIVING FROM EMR IN THE VICINITY OF HIGH-POWER TRANSMITTERS (IN GERMAN) 2712

KIERNICKI, M.

MICROWAVE APEXCARDIOGRAPHY 0383

KIKUCHI, K.

ELECTRIC FIELD-INDUCED CONFORMATIONAL CHANGE OF POLY(L-LYSINE) STUDIED BY TRANSIENT ELECTRIC BIREFRINGENCE 0859+

KILARIS, B. S.

THE USE OF IODINE-125 FOR INTERSTITIAL IMPLANTS 0948+

KIM, J. H.

SELECTIVE HEATING OF CUTANEOUS HUMAN TUMORS AT 27.12 MHZ 0048

CLINICAL AND BIOLOGICAL STUDIES OF LOCALIZED HYPERTHERMIA. 0161+

SINGLE DOSE X-IRRADIATION AND CONCOMITANT HYPERTHERMIA ON A RADIORESISTANT FIBROSARCOMA IN THE MOUSE 2335

LOCAL TUMOR HYPERTHERMIA IN COMBINATION WITH RADIATION THERAPY. 1.MALIGNANT CUTANEOUS LESIONS 2618+

KIM, S. H.

CONFORMATIONAL EFFECTS ON THE ACTIVATION FREE ENERGY OF DIFFUSION THROUGH MEMBRANES AS INFLUENCED BY ELECTRIC FIELDS 0860

KIM, Y. S.

SOME POSSIBLE EFFECTS OF STATIC MAGNETIC FIELDS ON CANCER 1836+

KINCAID, C. B.

RADIATION SAFETY HANDBOOK FOR IONIZING AND NONIONIZING RADIATION 0511+

KING, D. R.

THE EFFECT OF PULSED, SHORT WAVES ON ALVEOLAR HEALING 0512+

KING, G. R.

EFFECT OF MICROWAVE OVEN ON IMPLANTED CARDIAC PACEMAKER 0513+

KING, J. S.

RADIOFREQUENCY MYOTOMY 0540+

KING, N. W.

BEHAVIORAL SENSITIVITY TO MICROWAVE IRRADIATION 0514+

EFFECTS OF EXPOSURE TO PULSED MICROWAVES (RADAR) ON CENTRAL NERVOUS SYSTEM EXCITABILITY IN LAB. ANIMALS 0637

THERMOREGULATORY, METABOLIC, AND CARDIOVASCULAR RESPONSE OF RATS TO MICROWAVES 0926

BEHAVIORAL EFFECTS OF PULSED MICROWAVE RADIATION 1096

FIELD MEASUREMENTS, ABSORBED DOSE, AND BIOLOGIC DOSIMETRY OF MICROWAVES 1101

BEHAVIORAL EFFECTS OF LOW LEVEL MICROWAVE IRRADIATION IN THE CLOSED-SPACE SITUATION 1541

A MICROWAVE OVEN FOR BEHAVIOURAL AND BIOLOGICAL RESEARCH: ELECTRICAL AND STRUCTURAL MODIFICATIONS, CALORIMETRIC, DOSIMETRY, AND FUNCTIONAL EVALUATION 1713

BIOLOGICAL DOSIMETRY OF 2450 MHZ MICROWAVE IRRADIATION WITH MICE 1745+

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER FETAL IRRADIATION OF MICE BY 2450-MHZ MICROWAVE ENERGY 1805

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER THE TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MICROWAVE ENERGY. 2882

KING, R. S.

RADIO HAZARDS IN THE M.F./H.F. BAND 0713

KING, R. W.

ELECTROMAGNETIC FIELDS IN A DISSIPATIVE HALF-SPACE: A NUMERICAL APPROACH. 3285

KING, S.

MEASUREMENT OF THE RADAR CROSS SECTION OF A MAN 0556

KINKEL, H. J.

INVESTIGATION OF AN ASSUMED SYNERGISTIC EFFECT OF RADIO FREQUENCY RADIATION AND IONIZING RADIATION ON THE HUMAN ORGANISM 0228

KINN, J. B.

OBSERVATIONS OF MOUSE FETUSES AFTER IRRADIATION WITH 2.45 GHZ MICROWAVES 0006

EVALUATION OF LYMPHOCYTE FUNCTION IN MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES 0279

OCULAR HEATING DURING DENTAL DIATHERMY TREATMENT 2465

WHOLE-BODY DOSIMETRY OF MICROWAVE RADIATION IN SMALL ANIMALS: THE EFFECT OF BODY MASS AND EXPOSURE GEOMETRY 2736+

THE EFFECT OF MICROWAVE RADIATION (2450 MHZ) ON THE MORPHOLOGY AND CHROMOSOMES OF LYMPHOCYTES 2751

EXPOSURE OF RATS IN UTERO THROUGH EARLY LIFE TO 2450 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES. 2902

EXPOSURE OF RATS TO 425 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES. 2903

MICROWAVE DOSIMETRY USING A LIQUID CRYSTAL TECHNIQUE 2963+

A LIQUID-CRYSTAL CONTACT LENS FOR MEASUREMENTT OF CORNEAL TEMPERATURE 3062+

KINNEN, E.

THERMOGENETIC AND CARDIODYNAMIC REGULATION IN DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES 0655

KINNEY, R. A.

A STUDY OF THE FEASIBILITY OF STIMULATING NEURONS BY ELECTROMAGNETIC WAVES 2554

KINOSITA, K.

FORMATION AND RESEALING OF PORES OF CONTROLLED SIZES IN HUMAN ERYTHROCYTE MEMBRANE 2297+

HEMOLYSIS OF HUMAN ERYTHROCYTES BY A TRANSIENT ELECTRIC FIELD
2372+

KIRBY, R. S.
THE DISTRIBUTION OF THE POPULATION OF THE CONTINENTAL UNITED STATES, CANADA AND MEXICO WITHIN VARIOUS DISTANCES FROM 1361 TELEVISION MARKET CENTERS
3498

KIRITSEVA, A. D.
IMMUNOLOGICAL REACTIVITY OF ANIMALS IN PROLONGED IRRADIATION BY UHF RADIOWAVES
0975
IMMUNOLOGICAL CHANGES IN IMMUNIZED ANIMALS ON LONG-TERM EXPOSURE TO SHF RADIO WAVES
0994

KIRK, J. H.
POSSIBLE CATARACTOGENIC EFFECTS OF RADIOFREQUENCY RADIATION
1313

KIRKEY, D. L.
SYNOPSIS OF ELECTRICAL PATIENT SAFETY
2278+

KIROV, S. M.
THE BIOLOGICAL INFLUENCE OF HYPOGEOMAGNETIC ENVIRONMENTS
0248

KIRSCHVINK, J. L.
PIGEONS HAVE MAGNETS
0286

KIRZON, M. V.
CHANGE IN IMPEDANCE OF THE NERVE STEM OF A FROG UNDER THE ACTION OF VISIBLE LIGHT
3443+

KISELEV, P. I.
ACTION OF EM FIELDS OF SUPERHIGH FREQUENCIES ON ERYTHROCYTES PRESERVED AT LOW TEMPERATURE
1504

KISELEV, R. I.
BIOLOGICAL OXIDATION IN CELLS UNDER THE INFLUENCE OF RADIOWAVES IN THE MILLIMETER RANGE
0060
EFFECTS OF MILLIMETER-BAND EM WAVES IN THE CELL AND CERTAIN STRUCTURAL ELEMENTS OF THE CELL
2306+
USE OF SUPER-HIGH FREQUENCY TO HEAT UP DEEP-FROZEN ERYTHROCYTES (IN RUSSIAN)
2723
EFFECTS OF EM WAVES OF THE MILLIMETRIC RANGE ON THE ENERGY METABOLISM OF LIVER MITOCHONDRIA
2811

KISLIUK, M.
INFLUENCE OF THE EARTH'S MAGNETIC FIELD ON THE COMB BUILDING ORIENTATION OF HORNETS.
0304+
INFLUENCE OF AN ADDITIONAL MAGNETIC FIELD ON HORNET NEST ARCHITECTURE
2461+

KITAMURA, K.
SINGLE NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM
3394

KITSOVSKAYA, I. A.
EFFECTS OF THE DECIMETER WAVELENGTH RANGE ON THE FUNCTIONAL CONDITION OF VARIOUS AREAS OF THE CENTRAL NERVOUS SYSTEM
1348+
EFFECT OF DIFFERENT RADIOWAVE RANGES ON THE NERVOUS SYSTEM (SONIC STIMULUS METHOD)
1350+
MORPHOLOGICAL STUDIES OF THE EFFECT OF RADIOWAVES ON THE NERVOUS SYSTEM OF RATS SENSITIVE TO SONIC STIMULI
1351
THE EFFECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF THE HYPOTHALAMIC-HYPOPHYSIS-ADRENAL CORTEX SYSTEM
1447+
THE EFFECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF THE ADRENAL MEDULLA
1448+
RESULTS OF EXPERIMENTAL STUDIES ON EM IRRADIATION WITH LOW INTENSITY USW, SW, AND MW
1456
RESEARCH DATA ON THE STANDARDIZATION OF EM FIELDS IN THE SHORT AND ULTRASHORT WAVE RANGES
2555
BIOLOGICAL EFFECT OF MICROWAVE OF LOW INTENSITY
3065

KIYREND, E.
A STUDY OF THE EFFECT OF RADIOFREQUENCY AND MICROWAVE EM FIELDS ON THE ENZYME-SUBSTRATE REACTION IN AQUEOUS SOLUTIONS AND ORGANIC SOLVENTS
2481+

KLAINER, S. M.
DISCUSSION PAPER: RAMAN SPECTROSCOPY OF MOLECULAR SPECIES DURING EXPOSURE TO 100-MHZ RADIO-FREQUENCY FIELDS
1084+
THE DETECTION OF RF DAMAGE TO HIGH MOLECULAR WEIGHT BIOPOLYMERS BY RAMAN SPECTROSCOPY
1609

KLAPPER, L.
MECHANISM OF ELECTRICAL STIMULATION OF BONE FORMATION
2242+

KLASCIUS, A.
MICROWAVE RADIATION HAZARDS AROUND LARGE MICROWAVE ANTENNA
0515+

KLEIN, H. F.
INVESTIGATION OF THE RESPONSE OF THE MICROLITE 287 PROBE TO MICROWAVE FIELDS, BRH/DEP 70-20
3033+

KLEIN, M. J.
PRELIMINARY RESULTS ON THE STUDY OF THE EFFECTS OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM OF THE PRIMATE
3408+

GENERAL STATEMENT ON HYPERFREQUENCEIS AND THEIR BIOLOGICAL EFFECTS
3429

KLEIN, V. W.
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS
3573

KLEINER, A. I.
STATE OF IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS. (IN RUS.).
0162+
CLINICAL FEATURES OF THE EFFECT OF ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING.
0210
DIGESTIVE SYSTEM IN WORKERS EXPOSED TO THE EFFECTS OF UHF EM FIELDS
1515+

KLEINSTEIN, B. H.
BIOLOGICAL EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIATION: A DIGEST OF CURRENT LITERATURE
0081+
BIOLOGICAL EFFECTS OF NONIONIZING ELECTROMAGNETIC RADIATION: A DIGEST OF CURRENT LITERATURE.
0163+
BIOLOGICAL EFFECTS OF NONIONIZING EMR: A DIGEST OF CURRENT LITERATURE
0244+
BIOLOGICAL EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION
1414+
BIOLOGICAL EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION
1415+
BIOLOGICAL EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION
1416+
BIOLOGICAL EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION
1417+
BIOLOGICAL EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION
1418+
BIOLOGICAL EFFECTS OF EMR: A DIGEST OF CURRENT LIT. AND A FORUM OF COMMUNICATION
1419+

KLEMM, J.
MECHANICAL MASSAGE WITH ELECTRICAL FIELD: A NEW COMBINATION THERAPY (IN GERMAN)
2144+

KLEPSCH, I.
GONADIC FUNCTION IN WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES
1318

KLERK, J. D.
CONVERSION OF ELECTROMAGNETIC MICROWAVE ENERGY TO PHONON ENERGY
3479+

KLEYNER, A. I.
CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS
0627+

KLIMKOVA-DEUTSCHOVA, E.

NEUROLOGIC FINDINGS IN PERSONS EXPOSED TO MICROWAVES 0886+

OCCUPATIONAL EXPOSURE AND PUBLIC HEALTH ASPECTS OF MICROWAVE RADIATION 0898

KLIMOV, B. N.

UTILIZING NONLINEAR PROPERTIES OF SEMICONDUCTORS WHICH SHOW UP IN STRONG ELECTRIC FIELDS FOR DETECTING EMISSION IN THE MILLIMETER AND SUBMILLIMETER BANDS 2343+

KLIMOVSKAIA, L. D.

CHANGES OF BACKGROUND AND EVOKED RHYTHMS OF BRAIN POTENTIALS IN RABBITS IN A STRONG STATIC MAGNETIC FIELD (IN RUSSIAN) 2081

KLIMOVSKAYA, L. D.

SOME CHARACTERISTICS OF RETICULAR INFLUENCES ON THE EVOKED ACTIVIITY OF THE CEREBELLUM UNDER THE EFFECT OF A CONSTANT MAGNETIC FIELD 0245+

STUDY OF BIOELECTRIC ACTIVITY OF NEUROMUSCULAR AND SYM- PATHETIC SYSTEMS DURING EXPOSURE TO A STEADY MAGNETIC FIELD. 0426+

KLINGER, H. G.

THE MINIMUM INACTIVATED CELL RATIO: A CONCEPT FOR THE ESTIMATION OF BIOLOGICAL EFFECTIVENESS OF HYPERTHERMIC TREATMENT OF TISSUE 0247+

KLOBE, G.

THE INFLUENCE OF A HIGH-FREQUENCY HYPERTHERMIA ON THE EHRLICH'S-ASCITES CARCINOMA IN THE MOUSE (IN GERMAN) 1187

KNADLE, R. T.

RADIOFREQUENCY IN THE OPERATING-THEATRE 1798

KNAUF, G. M.

NEW CONCEPTS IN PERSONNEL PROTECTION 1563+

REVIEW OF THE BIOLOGICAL EFFECTS PROGRAM 1572+

KNAVE, B.

BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS 2542

KNEPTON, J. C.

INFLUENCE OF STRONG MAGNETIC FIELDS ON THE ELECTROCARDIOGRAM OF SQUIRREL MONKEYS (SAIMIRI SCIUREUS) 2496

KNICKERBOCKER, G. G.

EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY 0969+

MEDICAL EVALUATION OF MAN WORKING IN AC ELECTRIC FIELDS 2023

EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY 3016+

STUDY IN THE USSR OF MEDICAL EFFECTS OF ELECTRIC FIELDS ON ELECTRIC POWER SYSTEMS 3156+

KNIERIEM, K. M.

THE LEVELS OF GABA IN MOUSE BRAIN FOLLOWING TISSUE INACTIVATION BY MICROWAVE IRRADIATION 2053+

KNIEVEL, D. P.

ENVIRONMENTAL IMPACT OF 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS 2833

KNOX, E. G.

HEART ATTACKS AND GEOMAGNETIC ACTIVITY 0328+

KNOX, R. M.

NEAR FIELD INSTRUMENTATION 0551

KNUTSON, T.

THE EFFECT OF AN EM FIELD ON EARLY EMBRYOGENESIS IN QUAIL 2110+

KOBE, L.

A SYSTEM FOR DEVELOPING MICROWAVE INDUCED HYPERTHERMIA IN SMALL ANIMALS 2454

KOBE, L. H.

A SYSTEM FOR DEVELOPING MICROWAVE-INDUCED HYPERTHERMIA IN SMALL ANIMALS. 2922

KOBUS, M.

INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTERFERON 0053

EFFECT OF MICROWAVES ON VIRUS MULTIPLICATION IN MAMMALIAN CELLS 1159

EFFECT OF MICROWAVES COMBINED WITH INTERFERON AND/OR INTERFERON INDUCERS (POLY I-POLY C) ON DEVELOPMENT OF SARCOMA 180 IN MICE 1160

IN VITRO AND IN VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA 2065

THE INFLUENCE OF MICROWAVE RADIATION ON NORMAL AND NEOPLASTIC CELLS 2602

EFFECT OF MICROWAVE RADIATION ON CELLS TREATED WITH MEMBRANE-INJURING SUBSTANCES 2717

KOCH, P. H.

MICROWAVE THERMOGRAPHY. 3315+

KOCHANOVA, Y. M.

THE CARDIOVASCULAR SYSTEM AS AFFECTED BY EXPOSURE TO MICROWAVE RADIATION 0063

KOCK, W. E.

MICROWAVE HOLOGRAMS USING LIQUID CRYSTAL DISPLAYS. 3361

KOEHLER, J.

A NEW RADIATION BALANCE MICROWAVE THERMOGRAPH FOR SIMULTANEOUS AND INDEPENDENT TEMPERATURE AND EMISSIVITY MEASUREMENTS 0255

KOERTING, L.

CHROMOSOME BREAKAGE IN CULTURED CHINESE HAMSTER CELLS INDUCED BY RADIO-FREQUENCY TREATMENT 0535

KOGAN, A. K.

MECHANISMS OF THE EFFECT OF STATIONARY MAGNETIC FIELD ON INDUCED CARCINOGENESIS (IN RUSSIAN) 2594+

KOHAZI, S.

EFFECTS OF 2.6-4.0 GHZ MICROWAVE RADIATION ON E-COLI B 2797

KOHNO, M.

THE USE OF MICROWAVE HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE 1801

KOIVISTO, E.

CURRENT PROBLEMS IN THE STANDARDISATION OF MEDICAL ELECTRICAL EQUIPMENT 2309

KOIZUMI, N.

A METHOD FOR DETERMINING THE DIELECTRIC CONSTANT AND THE CONDUCTIVITY OF MEMBRANE-BOUNDED PARTICLES OF BIOLOGICAL RELEVANCE 1934

KOLAK, A.

CHANGES IN THE PERIPHERAL BLOOD OF THE RAT EXPOSED TO MICROWAVE RADIATION (2400 MHZ) IN CONDITIONS OF CHRONIC EXPOSURE 0682

KOLCIO, N.

THE APPLE GROVE 750 KV PROJECT STATISTICAL ANALYSIS OF AUDIBLE NOISE PERFORMANCE OF CONDUCTORS AT 775 KV 3115+

KOLDAEV, V. M.

USE OF CHEMICAL PREPARATIONS DURING UHF EMR IRRADIATION: A REVIEW OF THE LIT. (IN RUSSIAN) 0517+

THE EFFECT OF CHOLINERGIC AGENTS ON THE OUTCOME OF ACUTE AFFECTION OF MICE IN IRRADIATION WITH MICROWAVES 1397+

THE EFFECTS OF EPHEDRINE AND NIKETHAMIDE ON MICROWAVE- EXPOSED MICE 1490+

THE EFFECT OF SOME ANALEPTICS ON THE OUTCOME OF AN ACUTE MICROWAVE LESION ON MICE (IN RUSSIAN) 1630+

KOLDAYEV, V. M.
EFFECT OF GENERAL ANESTHETICS ON MICE FOLLOWING MICROWAVE IRRADIATION 0246+

KOLDUB, F. A.
CLINICAL FEATURES OF THE EFFECT OF ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING. 0210

KOLESKIK, F. A.
CHANGES IN THE BLOOD SYSTEM DURING CHRONIC EXPOSURE TO A SUPERHIGH-FREQUENCY FIELD 2013

KOLESNIK, F. A.
THE DISRUPTION OF THE ENDOCRINE SYSTEM UNDER THE CHRONIC EFFECT OF A SUPERHIGH FREQUENCY FIELD 1938+
CHANGES IN QUANTITY OF TOTAL SULFHYDRYL GROUP IN THE BLOOD OF INDIVIDUALS EXPOSED TO SUPER-HIGH-FREQUENCY GENERATORS 1980+

KOLESNIKOV, S. V.
TO THE INTERACTION PHENOMENA BETWEEN INDUSTRIAL FREQUENCY AC (50 HZ) FIELD AND THE ORGANISM OF A HUMAN AND AN ANIMAL. (IN ENG.). 0165+
MECHANISM OF INTERACTION OF ALTERNATING ELECTRICAL FIELD OF INDUSTRIAL FREQUENCY WITH THE HUMAN AND ANIMAL BODY 3411+

KOLESNIKOV, V. M.
NEW MEASUREMENT TECHNIQUES IN STUDYING THE EFFECT OF SUPERHIGH FREQUENCY FIELDS ON BIOLOGICAL SUBJECTS. 3064+

KOLESOVA, N. I.
PATHOGENESIS OF INSULIN DEFICIENCY INDUCED BY ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FREQUENCY (IN RUSSIAN) 0014+
PATHOGENESIS OF INSULIN DEFICIENCY ON EXPOSURE TO COMMERCIAL-FREQUENCY ALTERNATING MAGNETIC FIELD 0249+

KOLIKOVSKAYA, E. L.
PROTECTION OF WORKERS OPERATING HIGH-FREQUENCY INDUCTION HEATING EQUIPMENT (IN RUSSIAN) 1842+

KOLIN, A.
EXTERNAL FIELD EM MEASUREMENT OF BLOOD FLOW 0752+
STIMULATION OF IRRITABLE TISSUES BY MEANS OF AN ALTERNATING MAGNETIC FIELD 2111+

KOLODUB, F. A.
POSSIBLE MECHANISMS BEHIND THE BIOEFFECTS OF LOW FRE- QUENCY ELECTROMAGNETIC FIELDS. 0441
BIOCHEMICAL ASPECTS OF THE BIOLOGICAL EFFECT OF A LOW-FREQUENCY PULSED EM FIELD 0443+
MORPHOFUNCTIONAL STATUS OF THE HYPOPHYSEOGONADAL SYSTEM DURING EXPOSURE OF THE ORGANISM TO EM FIELDS WITH DIFFERENT CHARACTERISTICS (IN RUSSIAN) 1401
METABOLIC DISORDERS AND THE LIVER FUNCTION UNDER THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD 1514+
SIGNIFICANCE OF SOME BIOCHEMICAL BLOOD INDICES IN EARLY DETECTION OF LESIONS DUE TO PULSED LOW-FREQUENCY EM FIELDS 2047+
THE EFFECTS OF LOW FREQUENCY EM FIELD PULSES ON SKELETAL MUSCLE METABOLISM IN THE RAT 2048+

KOLTA, P.
STRONG AND PERMANENT INTERACTION BETWEEN PERIPHERAL NERVE AND A CONSTANT INHOMOGENOUS MAGNETIC FIELD 1002+

KOLTEK, W. T.
PRENATAL EXPOSURE TO AN EXTREMELY LOW FREQUENCY-LOW INTENSITY ROTATING MAGNETIC FIELD AND INCREASES IN THYROID AND TESTICLE WEIGHT IN RATS 0667

KOMOGORTSEVA, N. A.
CHANGES IN QUANTITY OF TOTAL SULFHYDRYL GROUP IN THE BLOOD OF INDIVIDUALS EXPOSED TO SUPER-HIGH-FREQUENCY GENERATORS 1980

KOMOLOVA, G. S.
EFFECT OF A HIGH-INTENSITY MAGNETIC FIELD ON ENZYMATIC HYDROLYSIS OF NUCLEIC ACIDS 1558+

KONCHALOVSKAYA, N. M.
THE CARDIOVASCULAR SYSTEM AS AFFECTED BY OCCUPATIONAL FACTORS 0062+
AUTONOMIC AND CARDIOVASCULAR DISORDERS DURING CHRONIC EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS 2553

KONDRA, P. A.
EFFECTS OF MICROWAVE RADIATIONS ON HATCHABILITY AND GROWTH OF TURKEYS 1974
EFFECTS OF MICROWAVE RADIATION ON EGGS, EMBRYOS AND CHICKENS 2059

KONDRAT'EVA, V. F.
EFFECTS OF MILLIMETER-BAND RADIO WAVES ON CERTAIN PROPERTIES OF BACTERIA 2303+
EFFECTS OF MILLIMETER-BAND EM WAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN BACTERIA 2304

KONG, J. A.
INTERFERENCE PATTERNS OF A HORIZONTAL ELECTRIC DIPOLE OVER LAYERED DIELECTRIC MEDIA 0748

KONIG, H. L.
ULTRA-LOW-FREQUENCY ATMOSPHERICS 0971+
INVISIBLE ENVIRONMENT (IN GERMAN) 1625+
ON THE INFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC PROCESSES IN THE ATMOSPHERE OF MAN (IN GERMAN) 2624+
ON THE INFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC PROCESSES IN THE ATMOSPHERE OF THE WORLD (IN GERMAN) 2625+

KONIG, W.
TUMOR HYPERTHERMY BY MEANS OF RADIOFREQUENCY IN ORDER TO ENHANCE ONCOLYSIS BY COLOSTRIDIUM BUTYRICUM (STRAIN M 55) (IN GERMAN) 1806
MICROWAVE HYPERTHERMIA AND ONCOLYSIS BY CLOSTRIDIUM (IN GERMAN) 2634

KOOPMAN, D. W.
EXPERIMENTAL DEVELOPMENT OF SIMULATED BIOMATERIALS FOR DOSIMETRY STUDIES OF HAZARDOUS MICROWAVE RADIATION 0858

KOPANEV, V. I.
THE BIOLOGICAL INFLUENCE OF HYPOGEOMAGNETIC ENVIRONMENTS 0248+

KOPECKY, W. J.
A MICROWAVE HYPERTHERMIA TREATMENT AND THERMOMETRY SYSTEM. 0425+

KORBEL, S. F.
BEHAVIORAL EFFECTS OF LOW INTENSITY UHF RADIATION 1542+

KORENEVSKAYA, S. P.
GLUCOCORTICOID FUNCTION OF THE ADRENALS IN RADIOWAVE SICKNESS 1443

KORENSTEIN, R.
ELECTRIC FIELD EFFECTS IN BACTERIORHODOPSIN 2450

KORNBERG, H. A.
BIOLOGICAL EFFECTS OF ELECTRIC FIELDS 1588+
CONCERN OVERHEAD 2434+
ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 2449+

KORNIEWICZ, H.
MEDICO-SOCIAL ASPECTS OF LABOR PERFORMED WITHIN THE RANGE OF EM HIGH FREQUENCY RADIATION (IN POLISH) 2018+

KOROBKOVA, T. L.
PATHOHISTOLOGICAL CHANGES IN THE EYES OF RABBITS EXPOSED TO SUPER-HIGH FREQUENCY RADIATION • 0963

KOROBKOVA, V. P.

INFLUENCE OF THE ELECTRIC FIELD IN 500 AND 750 KV SWITCH-YARDS ON MAINTENANCE STAFF AND MEANS FOR ITS PROTECTION 3076+

KOROSTELEVA, A. Y.

MICROWAVE THERAPY OF INFLAMMATION OF THE GENITALS 2353

KOROTKII, N. G.

IMPROVING THE THERAPEUTIC EFFECT OF INDUCTOTHERAPY OF THE LUMBAR REGION IN DERMATOLOGY (IN RUSSIAN) 2716

KOROVINA, N. A.

UHF TREATMENT AND CALCIUM ELECTROPHORESIS IN THE THERAPY OF PYELONEPHRITIS IN CHILDREN (IN RUSSIAN) 2072

KORTELING, B. S.

ACTIVITY CHANGES IN ALPHA-AMYLASE SOLUTIONS FOLLOWING THEIR EXPOSURE TO RADIO-FREQUENCY ENERGY 2954

KOSMAN, A. J.

A COMPARATIVE STUDY OF SHORT WAVE AND MICROWAVE DIATHERMY ON BLOOD FLOW 0565

KOSSLER, F.

PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS FOLLOWING TWO LONG- TERM EXPOSURES OF MICE TO MICROWAVE FIELDS (IN GERMAN) 2708+

KOUWENHOVEN, W. B.

EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY 0969

BODY CURRENTS IN LIVE LINE WORKING 0974+

MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 1015

MEDICAL EVALUATION OF MAN WORKING IN AC ELECTRIC FIELDS 2023+

MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 3012

BODY CURRENTS IN LIVE LINE WORKING 3015+

EXPOSURE OF MICE TO A STRONG AC ELECTRIC FIELD--AN EXPERIMENTAL STUDY 3016

BODY CURRENTS MEASURED IN LIVE LINE WORK 3100

KOVACH, R. I.

TEMPERATURE DISTRIBUTION WITH MICROWAVE HEATING FOR A TWO-LAYER MODEL OF A BIOLOGICAL OBJECT 0626+

KOVACS, G.

THERMORADIOTHERAPY IN ANIMAL EXPERIMENT: TUMOR GROWTH AND TUMOR CURE (IN GERMAN) 0008

KOVALEV, M. G.

EFFECT OF PERMANENT MAGNETIC FIELD ON THE SPERM OF BREEDING BULLS (IN RUS) 0082+

KOWAL, H.

THE DEVELOPMENT OF HYPERTHERMIA MICROWAVE GENERATORS AND THERMOMETRY 2361

KOZIARIN, I. P.

EFFECT OF A LOW FREQUENCY (50 HZ) ELECTRIC FIELD ON THE BODY (IN RUSSIAN) 0233

EFFECTS OF EM ENERGY OF INDUSTRIAL FREQUENCY ON THE HUMAN AND ANIMAL NERVOUS SYSTEM 2711

KOZYARIN, I. P.

INFLUENCE OF A LOW FREQUENCY (50 HZ) ELECTRIC FIELD ON THE ORGANISM. 0379

METABOLISM AND DISTRIBUTION OF IRON, COPPER, MOLYBDENUM, MANGANESE, AND NICKEL IN THE ORGANS OF A BODY EXPOSED TO INDUSTRIAL AND SUPERHIGH FREQUENCY EM FIELDS 2806

KOZYARYN, I. P.

INFLUENCE OF AN ELECTRIC FIELD OF COMMERCIAL FREQUENCY AND DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MOLYBDENUM AND IRON IN THE ORGANISMS OF LABORATORY ANIMALS 2808+

KRAFT, G. H.

MICROWAVE SELECTIVE BRAIN HEATING 0806

KRAINICK, J. U.

METHODS OF PAIN MODULATION BY ELECTRICAL STIMULATION (IN GERMAN) 1793+

ELECTRICAL SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS 3428

KRAKOVSKAIA, S. P.

CLINICAL FEATURES OF THE EFFECT OF ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING. 0210

KRALJ, A.

PROGRAMMED SIX-CHANNEL ELECTRICAL STIMULATOR FOR COMPLEX STIMULATION OF LEG MUSCLES DURING WALKING 0094

KRAMAR, P.

THE OCCULAR EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE CATARACTOGENIC MECHANISMS 1068+

ACUTE MICROWAVE IRRADIATION AND CATARACT FORMATION IN RABBITS AND MONKEYS 1128+

MICROWAVE INDUCED TEMPERATURE RISES IN RABBIT EYES IN CATARACT RESEARCH 1271

MEASUREMENT OF ABSORBED POWER PATTERNS IN THE HEAD AND EYES OF RABBITS EXPOSED TO TYPICAL MICROWAVE SOURCES 1864

MECHANISM OF MICROWAVE CATARACTOGENESIS IN RABBITS 2150+

THEORETICAL AND EXPERIMENTAL STUDI&S OF MICROWAVE INDUCED CATARACTS IN RABBITS 2386+

KRAMAR, P. O.

STUDY OF THE EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION ON RABBITS 1127

EFFECT OF 2450-MHZ RADIATION ON THE RABBIT EYE 1301

QUANTITATION OF MICROWAVE RADIATION EFFECTS ON THE EYES OF RABBITS AT 2450 MHZ AND 918 MHZ 1858

KRAMER, S.

PARENTAL FACTORS IN DOWN'S SYNDROME--RESULTS OF THE SECOND BALTIMORE CASE-CONTROL STUDY 1950

KRANING, K. K.

EM POWER DEPOSITION IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PHYSIOLOGIC CONSEQUENCES 0811

THE NUMERICAL THERMAL SIMULATION OF THE HUMAN BODY WHEN ABSORBING NON-IONIZING MICROWAVE IRRADIATION--WITH EMPHASIS ON THE EFFECT OF DIFFERENT SWEAT MODELS 2191

KRASNIKOV, V. V.

UTILIZING NONLINEAR PROPERTIES OF SEMICONDUCTORS WHICH SHOW UP IN STRONG ELECTRIC FIELDS FOR DETECTING EMISSION IN THE MILLIMETER AND SUBMILLIMETER BANDS 2343

KRASNOBAEV, P. E.

ADRENOCORTICOTROPIC ACTIVITY OF THE HYPOPHYSIS UNDER THE EFFECT OF UHF-FIELD (IN RUSSIAN) 1637

KRASNOHORSKYY, M. M.

HUMAN SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS 2485

KRASNOV, E. A.

EFFECT OF A MODULATED EM FIELD ON SELF-STIMULATION RESPONSE IN RATS 2546

KRASOV, V. M.

THE NATURE OF THE EFFECT OF A MAGNETIC FIELD ON NUTRIENT MEDIUM COMPOSITION AND TOXIN PRODUCTION BY Cl PERFRINGENS, TYPE D 2482+

KRAUS, J. D.
DIATHERMY MEASUREMENT TECHNIQUE 3465+

KRAUSHAAR, J. J.
BIOMEDICAL EFFECTS OF EXPOSURE TO EMR, PART II: BIOMEDICAL EFFECTS ON THE EYE FROM EXPOSURE TO MICROWAVES AND IONIZING RADIATIONS 1215

KREBS, J. S.
MORTALITY IN RATS EXPOSED TO CW MICROWAVE RADIATION AT 0.95, 2.45, 4.54, AND 7.44 GHZ 1388

KREITH, F.
CONVECTION HEAT TRANSFER AND FLOW PHENOMENA OF ROTATING SPHERES. 3304+

KRESCH, E.
ON THE POSSIBILITY OF NONTHERMAL BIOLOGICAL EFFECTS OF PULSED EMR 1734

KREY, A. K.
PRELIMINARY OBSERVATIONS WITH AN ELECTROMAGNETIC METHOD FOR THE NONINVASIVE ANALYSIS OF CELL SUSPENSION PHYSIOLOGY AND INDUCED PATHOPHYSIOLOGY 0054

KRITIKOS, H. N.
POTENTIAL TEMPERATURE RISE INDUCED BY ELECTROMAGNETIC FIELD IN BRAIN TISSUES 0016+
TEMPERATURE PROFILES IN SPHERES DUE TO ELECTROMAGNETIC HEATING. 0250+
HOT SPOTS GENERATED IN CONDUCTING SPHERES BY EM WAVES AND BIOLOGICAL IMPLICATIONS 0803+
FORMATION OF HOT SPOTS IN MULTILAYER SPHERES 1208+
THE DISTRIBUTION OF HEATING POTENTIAL INSIDE LOSSY SPHERES 1209+
CURRENT MICROWAVE STUDIES 2255
EFFECTS OF RF FIELDS ON NERVOUS ACTIVITIES 2443+
ENERGY DEPOSITION IN HOMEGENEOUS AND MULTILAYER TISSUE SPHERES AND EFFECT OF CIRCULATION 2447
EFFECT OF SURFACE COOLING AND BLOOD FLOW ON THE EM HEATING OF TISSUE 2451+

KRIUKOV, V. N.
DETERMINING INTRAVITAL CHARACTER AND TIME OF POSTMORTEM INJURY OF TISSUES AND ORGANS BY SUPERHIGH RADIOFREQUENCIES (IN RUSSIAN) 2074+

KRIVOVA, T. I.
ELECTRICAL DISCHARGE INFLUENCE UPON A MAN 1936+

KROGER, W. S.
A SCIENTIFIC EXPLANATION FOR THE RATIONALE OF ACUPUNCTURAL ANALGESIA 1896+

KROTOV, A. V.
THE EFFECT OF BRIEF EXPOSURE TO A MAGNETIC FIELD ON THE BLOOD SEDIMENTATION RATE IN HEALTH AND DISEASE 2014

KROTOVA, S. B.
STUDY OF BIOELECTRIC ACTIVITY OF NEUROMUSCULAR AND SYM- PATHETIC SYSTEMS DURING EXPOSURE TO A STEADY MAGNETIC FIELD. 0426

KRUEGER, A. P.
A STUDY OF THE BIOLOGICAL EFFECTS OF CERTAIN ELF EM FIELDS 0991+
BIOLOGICAL IMPACT OF SMALL AIR IONS 1898+
BIOLOGICAL EFFECTS OF GASEOUS IONS (IN FRENCH) 2630+

KRUEGER, W. F.
CONTINUOUS EXPOSURE OF CHICKS AND RATS TO EM FIELDS 0753
EFFECTS OF EM FIELDS ON FECUNDITY IN THE CHICKEN 1089+
EFFECTS OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF ANIMALS 2277
INFLUENCE OF LOW-LEVEL ELECTRIC AND MAGNETIC FIELDS ON THE GROWTH OF YOUNG CHICKENS 2289+
EFFECT OF VARIOUS EM FIELDS ON THE REPRODUCTIVE PERFORMANCE OF CHICKENS 2687+

KRUGLIKOV, R. I.
BARRIER MECHANISMS OF THE NEUROGLIA IN THE PROCESS OF INHIBITION UNDER THE EFFECT OF WEAK STIMULI 1990

KRUIKOV, K. P.
THE ELECTRICAL STRENGTH OF LARGE AIR GAPS AND THE SELECTION OF LINE INSULATING CLEARANCES: THE SELECTION OF LINE INSULATION IN NORMAL AND POLLUTED CONDITIONS 3591+

KRUMPE, P. E.
EVALUATION OF THE HEALTH OF PERSONNEL WORKING NEAR PROJECT SANGUINE BETA TEST FACILITY FROM 1971 TO 1972 1668+

KRUPP, J. H.
MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 1778
RADAR AND MIGRATING BIRDS 1780+
MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 2190
THERMAL RESPONSE IN MACACA MULATTA EXPOSED TO 15- AND 20-MHZ RADIOFREQUENCY RADIATION 2644+

KRUSEN, F. H.
THE EFFECT OF MICROWAVE DIATHERMY ON THE PERIPHERAL CIRCULATION AND ON TISSUE TEMPERATURE IN MAN 0481
CERTAIN PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF MICROWAVES 0494
PROBLEMS WHICH ARE CHALLENGING INVESTIGATORS IN MED. 0495
THE EFFECTS OF DIATHERMY ON THE FLOW OF BLOOD IN THE EXTREMITIES 0656
CERTAIN EXPERIMENTAL OBSERVATIONS ON A PULSED DIATHERMY MACHINE 0661
THE HEATING EFFECTS OF MICROWAVES WITH AND WITHOUT ISCHEMIA 0666
MICROKYMATOTHERAPY: PRELIMINARY REPORT OF EXPEIMENTAL STUDIES OF THE HEATING EFFECT OF MICROWAVES (RADAR) IN LIVING TISSUES. 3369+
PRELIMINARY STUDIES ON THE HEATING AND CIRCULATORY EFFECTS OF MICROWAVES 'RADAR'. 3373

KRYLOV, V. A.
ELECTROMAGNETIC RADIATION SAFETY 2246+

KRYLOVA, E. V.
STATE OF IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS. (IN RUS.). 0162

KRYTER, K. D.
NON-AUDITORY EFFECTS OF ENVIRONMENTAL NOISE 2970+

KRYUKOVA, L. N.
EFFECT OF SUPERHIGH FREQUENCY FIELDS OF HIGH INTENSITIES ON THE BLOOD COAGULATION SYSTEM 1480

KRZYWICKI, H. H.
DENSITY, FAT, WATER AND SOLIDS IN FRESHLY ISOLATED TISSUES 0444

KUBAN, K.
INCREASED BLOOD FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING 2534

KUCHERENKO, A. E.
TREATMENT OF DISEASES OF LIMB STUMPS WITH MAGNETIC FIELD (IN RUSSIAN) 1631+
EXPERIENCE WITH MAGNETIC THERAPY OF PAINFUL NEUROMAS OF EXTREMITY STUMPS (IN RUSSIAN) 2845+

KUCIA, H. R.

ACCURACY LIMITATION IN MEASUREMENTS OF HF FIELD INTENSITIES FOR PROTECTION AGAINST RADIATION HAZARDS
2835+

ELECTROMAGNETIC RADIATION SAFETY IN POLAND
2998+

KUDRYASHOVA, V. A.

OUTLOOK FOR STUDY OF THE MECHANISMS OF THE NONTHERMAL EFFECTS OF MILLIMETER- AND SUBMILLIMETER-BAND EMR ON BIOLOGICALLY ACTIVE COMPOUNDS
2307

KUEBLER, W.

ANALYSIS OF ELECTROMAGNETIC RADIATION HAZARDS AT PATUXENT RIVER NAVAL AIR TEST CENTER (MARYLAND)
3596+

RADIATION HAZARDS AND INTERFERENCE ANALYSIS OF A PROPOSED LORAN-C STATION AT TWENTYNINE PALMS, CALIFORNIA
3597+

KUERZE, E.

SIMPLE X-RAY DETECTOR INSTRUMENTS FOR TELEVISION. SERVICE TECHNICIANS - BRH/DEP 70-14
3055

KUGOT, A. S.

THE EFFECT OF A CONSTANT MAGNETIC FIELD ON E COLI ENZYME ACTIVITY
2483+

KUIJ, P. V.

NON-INVASIVE TREATMENT OF EXTRACTION WOUNDS IN DOGS BY ELECTROMAGNETIC STIMULATION.
0209+

KUKHARCHUK, V. V.

IMMEDIATE EFFECT OF ELECTRIC CARDIOVERSION ON THE INDICES OF HEMODYNAMICS AND MYOCARDIUM CONTRACTILITY IN PATIENTS WITH AURICULAR FIBRILLATION (IN RUSSIAN)
1396

KUKSINSKII, V. E.

ELEKTROKINETIC PROPERTIES OF BLOOD ELEMENTS UNDER THE EFFECT OF PHYSICAL FACTORS (IN RUSSIAN)
2128

KUL'SKII, L. A.

STUDY OF THE INACTIVATION OF VIRUS-CONTAINING WATER BY MEANS OF ELECTRICAL CURRENT (IN RUSSIAN)
2598

KULAKOVA, S. N.

THE EFFECT OF MEAT TREATED WITH SUPER-HIGH FREQUENCY ENERGY INFRARED RAYS ON THE SECRETORY FUNCTION OF THE STOMACH (IN RUSSIAN)
2701+

KULAKOVA, V. V.

EFFECT OF 10 CM WAVES ON SPECIALIZED APPETITE FORMS AND ELECTROLYTE LEVELS OF THE BLOOD AND URINE IN RATS
1357+

KULIKOVSKAYA, Y. L.

PROTECTION FROM THE EFFECT OF RADIO WAVES
0519+

KULITSKAIA, V. I.

MECHANISMS OF THE EFFECT OF STATIONARY MAGNETIC FIELD ON INDUCED CARCINOGENESIS (IN RUSSIAN)
2594

KULLSTAM, P. A.

DESIGN OF MILLIMETER WAVE COMMUNICATION SYSTEMS
3456

KULSKII, L. A.

EFFECTS OF HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN)
0015+

KUMAR, V.

EXACT ANALYSIS FOR CALCULATING HEMODYNAMIC PARAMETERS IN UNSTEADY BLOOD FLOW IN ARTERIES IN PRESENCE OF STATIC MAGNETIC FIELD
0017+

KUNZ, L. L.

STUDY OF EFFECTS OF LONG-TERM LOW-LEVEL RF EXPOSURE ON RATS: A PLAN.
0400

KUPFER, J.

PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS FOLLOWING TWO LONG- TERM EXPOSURES OF MICE TO MICROWAVE FIELDS (IN GERMAN)
2708

KURKINA, L. M.

EFFECT OF STEADY MAGNETIC FIELD ON SOME ASPECTS OF ENERGY AND NITROGEN METABOLISM IN THE RAT CEREBRAL HEMISPHERES.
0429

KURLAND, A. A.

ELECTROCONVULSIVE THERAPY AND EEG CORRELATES IN DEPRESSIVE DISORDERS
1870+

KUROHANE, S.

HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW
1279

KUSAKA, M.

ASSAY OF NOREPINEPHRINE AND DOPAMINE IN THE RAT BRAIN AFTER MICROWAVE IRRADIATION
3416

KUZNETSOVA, S. S.

ASSESSMENT OF THE POSSIBILITY OF PREDICTION OF INDIVIDUAL RADIOSENSITIVITY BY THE RESPONSE TO NON-RADIATION EFFECTS
0007

KVAKINA, Y. B.

ENERGY METABOLISM OF THE HYPOTHALAMO-HYPOPHYSEAL PART OF RAT BRAIN IN THE ANTITUMORAL EFFECT OF A MAGNETIC FIELD
1557

KWARECKI, K.

INFLUENCE OF MICROWAVES ON GENETICAL PROCESSES OF ASPERGILLIUS NIDULANS
1140

KYLE, J. L.

A PILOT STUDY OF THE INTERACTION OF EXTREMELY LOW FREQUENCY EM FIELDS WITH BRAIN ORGANELLES
0799

L

L'ARCHEVEQUE, P.

SUPERIOR COLLICULUS CELL RESPONSES TO ELECTRICAL STIMULATION OF THE RETINA
2222

L'VOV, K. M.

MICROWAVE SATURATION EFFECTS ON PARAMAGNETIC CENTERS OF PROTEINS IRRADIATED WITH ULTRAVIOLET LIGHT
1476

LA MANNA, V.

TERATOGENIC POWER OF SHF FIELDS. FURTHER EXPERIMENTS ON TENEBRIO MOLITOR COLEOPTERON
2408

PERCEPTION OF STATIC FIELDS BY LIVING ORGANISMS AND TERATOGENIC EFFECTS OF MICROWAVES
2830

LAFOND, C. D.

MICROWAVE 'HAZARDS' ARE EXAGGERATED
0520+

LAFRENIERE, G. F.

THYROID MORPHOLOGY AND ACTIVITY DOES NOT RESPOND TO ELF ELECTROMAGNETIC FIELD EXPOSURES.
0164+

LAGER, D.

DETERMINATION OF THE IN SITU GROUND CONDUCTIVITY AND RELATIVE DIELECTRIC CONSTANT VIA THE TWO-LOOP METHOD USING SWEPT FREQUENCY EXCITATION - UCRL-51266
3049

SUBSURFACE PROBING BY MEASUREMENT OF THE WAVE TILT OF ELECTROMAGNETIC SURFACE WAVES
3099

LAI, P.

INTERACTION BETWEEN 2450-MHZ MICROWAVES AND IONIZING RADIATION IN TRIBOLIUM CONFUSUM
0035+

LAINE, E.

DETERMINATION OF THE IN SITU GROUND CONDUCTIVITY AND RELATIVE DIELECTRIC CONSTANT VIA THE TWO-LOOP METHOD USING SWEPT FREQUENCY EXCITATION - UCRL-51266
3049

SUBSURFACE PROBING BY MEASUREMENT OF THE WAVE TILT OF ELECTROMAGNETIC SURFACE WAVES
3099

LAJTHA, L. G.

ON STEM-CELL RECOVERY AFTER IRRADIATION
0843

LAKE, F. T.

DIRECT CURRENT STIMULATION OF THE GROWING DEER ANTLER
1834+

LAKTAEVA, T. V.
THE EFFECT OF MEAT TREATED WITH SUPER-HIGH FREQUENCY ENERGY INFRARED RAYS ON THE SECRETORY FUNCTION OF THE STOMACH (IN RUSSIAN) 2701

LAM, C. K.
COUPLING OF GAUSSIAN EM PULSE INTO A MUSCLE-BONE MODEL OF BIOLOGICAL STRUCTURE 1124

TRANSMISSION OF EM PULSE INTO THE HEAD 1719

LAMANNA, A.
THE EFFECT OF REPETITIVE PRENATAL LOW-LEVEL MICROWAVE EXPOSURE ON DEVELOPMENT IN THE RAT 2677

LAMASTER, F. S.
EQUIPMENT SURVEYS FOR RF RADIATION HAZARDS 0775+

LAMBDIN, D. L. ELECTRIC FIELDS AND MAGNETIC FLUX UNDER EHV OVERHEAD POWER TRANSMISSION LINES. 0166+

AN INVESTIGATION OF ENERGY DENSITIES IN THE VICINITY OF VEHICLES WITH MOBILE COMMUNICATIONS EQUIPMENT AND A HANDHELD WALKIE TALKIE. 0167+

AN EXAMINATION OF ELECTRIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES 2609

LAMBERT, E. G.
ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZARDS AND EFFECTS 3009

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCULATION 3010

LAMBERT, P. D.
EFFECTS OF MICROWAVE EXPOSURES ON THE CENTRAL NERVOUS SYSTEM OF BEAGLES 2510+

THE EFFECT OF MICROWAVE ON Y-MAZE LEARNING IN THE WHITE RAT 3503

LANCASHIRE, R
HEART ATTACKS AND GEOMAGNETIC ACTIVITY 0328

LANCRANJAN, I.
GONADIC FUNCTION IN WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES 1318+

LANDA, V. A.
IMPORTANCE OF ANTENNAE FOR ORIENTATION OF INSECTS IN A NON-UNIFORM MICROWAVE EM FIELD 1847

EFFECT OF IMPULSE ELECTRICAL CURRENT ON REPARATIVE REGENERATION OF THE BONE TISSUE (IN RUSSIAN) 2075+

EFFECT OF A PULSED ELECTRIC CURRENT ON THE COURSE OF REPARATIVE OSTEOGENESIS 2822+

LANDAU, E.
MICROWAVE RADIATION: AN EPIDEMIOLOGIC ASSESSMENT. 0406

MICROWAVE RADIATION: AN EPIDEMIOLOGIC ASSESSMENT 3145+

LANDAU, N. S.
EFFECTS OF EM WAVES ON PRODUCTION OF PROTEASES WITH FIBRINOLYTIC ACTIVITY IN ASPERGILLUS ORYZAE (AHLB.) COHN (STRAIN OF MOSCOW STATE UNIVERSITY) 2828

LANDEEN, K.
EFFECT OF MICROWAVE RADIATION ON THE HEMOPOIETIC SYSTEM OF THE RAT 2005

LANDOLT, R. R.
TEMPERATURE DISTRIBUTIONS INDUCED BY 2450 MHZ MICROWAVE RADIATION IN A TRILAYERED SPHERICAL PHANTOM 1816

LANG, S.
POSSIBLE INFLUENCE OF ATMOSPHERIC ELECTRICITY ON WELL-BEING (IN GERMAN) 1627

TERRITORY CHOICE OF WHITE MICE UNDER FARADAY CONDITIONS AND IN ELECTRICAL FIELDS (IN GERMAN) 2637

CHANGES IN THE WATER-ELECTROLYTE-BALANCE OF WHITE MICE KEPT IN FARADAY-CAGES AND IN AN ELECTRIC FIELD OF RECTANGULAR 10 CYCLES (IN GERMAN) 2645+

THE METABOLISM OF WHITE MICE MAINTAINING IN FARADAY CAGES AND IN AN ELECTRIC FIELD, OSCILLATING WITH RECTANGULAR PULSES AT A FREQUENCY OF 10 HZ (IN GERMAN) 2646+

NATURAL AND MAN MADE FACTORS DECREASING THE NATURAL ELECTRIC FIELD (IN GERMAN) 2844+

LANG, S. B.
THERMAL EXPANSION COEFFICIENTS AND THE PRIMARY AND SECONDARY PYROELECTRIC COEFFICIENTS OF ANIMAL BONE 2090+

LANGE, F.
PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS FOLLOWING TWO LONG- TERM EXPOSURES OF MICE TO MICROWAVE FIELDS (IN GERMAN) 2708

LANGLEY, J. B.
EFFECTS OF MICROWAVE RADIATION ON ENZYMES 1081

EFFECTS OF MICROWAVE RADIATION ON ENZYMES 2390+

LANGWORTHY, O. R.
MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 1015

MEDICAL EVALUATION OF MAN WORKING IN AC ELECTRIC FIELDS 2023

MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 3012

LAPKOVSKIY, A. K.
KINEMATIC DESCRIPTION OF A HELICAL FRAME OF REFERENCE SYSTEM IN THE SPECIAL THEORY OF RELATIVITY. 0424

RELATIVISTIC KINEMATIC EQUATIONS AND THE THEORY OF CONTINUOUS MEDIA. 0428+

LAPPENBUSCH, W. L.
EFFECT OF 2450-MHZ MICROWAVES ON THE RADIATION RESPONSES OF X-IRRADIATED CHINESE HAMSTERS 0521+

LARKIN, R. P.
MIGRATING BIRDS RESPOND TO PROJECT SEAFARER'S EM FIELD 1016+

LARKIN, T. S.
BAR MAGNETS MASK THE EFFECT OF NORMAL MAGNETIC DISTURBANCES ON PIGEON ORENTATION. 0169+

LARKINS, J. T.
POWER VARIATIONS IN MICROWAVE EXPOSURE RESULTING FROM DIFFERENT SOURCE GASES 1221

LAROCHE, L. P.
AN OPERATIONAL SAFETY PROGRAM FOR OPHTHALMIC HAZARDS OF MICROWAVE 0522+

LARSEN, E. B.
TECHNIQUES FOR PRODUCING STANDARD EM FIELDS FROM 10 KHZ TO 10 GHZ FOR EVALUATING RADIATION MONITORS 0251+

DESCRIPTION AND CALIBRATION OF PROBES USED FOR EXPLORATORY FAA FIELD INTENSTIY SURVEYS 1952

EXPLORATORY FIELD INTENSITY SURVEYS NEAR FAA TRANSMITTING ANTENNAS 1953+

SECOND PROGRESS REPORT EM HAZARDS PROJECT 2852

LARSEN, L.
PRELIMINARY OBSERVATIONS WITH AN ELECTROMAGNETIC METHOD FOR THE NONINVASIVE ANALYSIS OF CELL SUSPENSION PHYSIOLOGY AND INDUCED PATHOPHYSIOLOGY 0054+

LARSEN, L. E. FOR USE IN BIOLOGICAL DIELECTRICS. 0168+

MICROWAVE SCATTERING PARAMETER IMAGERY OF AN ISOLATED CANINE KIDNEY. 0307+

MICROWAVE TIME DELAY SPECTROSCOPIC IMAGERY OF ISOLATED CANINE KIDNEY. 0423

A MICROWAVE DECOUPLED ELECTRODE FOR THE ELECTROENCEPHALOGRAM
0728+

A MICROWAVE DECOUPLED BRAIN-TEMPERATURE TRANSDUCER
0809+

AN RF DECOUPLED ELECTRODE FOR MEASUREMENT OF BRAIN TEMPERATURE DURING MICROWAVE EXPOSURE
2383+

BIOLOGICAL EFFECTS AND HAZARDS OF MICROWAVE RADIATION
2616

MICROWAVE INTERROGATION OF DIELECTRIC TARGETS BY SCATTERING PARAMETERS
3413+

LARSEN, S. L.

THE MEASUREMENT OF SUBSTATION GROUND RESISTANCE AND ITS USE IN DETERMING PROTECTION FOR METALLIC COMMUNICATION CIRCUITS
3117+

LARSON, G.

MICROWAVE RADIOMETRIC MEASUREMENTS OF THE TEMPERATURE INSIDE A BODY
2414

LARSON, L. E.

MICROWAVE INTERROGATION OF DIELECTRIC TARGETS BY MICROWAVE TIME DELAY SPECTROSCOPY
3410

LARY, J. M.

MEASUREMENT OF ELECTRIC- AND MAGNETIC-FIELD STRENGTHS FROM INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALERS.
0402

INDUCTION OF TERATOGENIC EFFECTS IN RATS BY 27.12 MHZ RF RADIATION.
2898

LASCU, N.

INFLUENCE OF LOW FREQUENCY EM FIELDS ON THE TOXINE GENERATING POTENTIAL OF THE TETANIC BACILLUS
1998

LASKEY, J.

PROGRESS REPORT ON 2450 MHZ IRRADIATION OF PREGNANT RATS AND THE EFFECT ON THE FETUS
2878+

KINETICS OF MOUSE HEMATOPOIETIC COLONY-FORMING UNITS FOLLOWING INJURY BY 2450 MHZ MICROWAVE IRRADIATION
3386

HEMATOLOGICAL RESPONSE OF FETAL RATS FOLLOWING 2450 MHZ MICROWAVE IRRADIATION
3387

LASKOWSKA, B.

IN VITRO AND IN VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA
2065

LASZLO, T. S.

THE EFFECT OF MICROWAVES ON THE TOBACCO BEETLE.
2887+

LATIMER, J. M.

MICROWAVE OVEN IRRADIATION AS A METHOD FOR BACTERIAL DECONTAMINATION IN A CLINICAL MICROBIOLOGY LABORATORY
2786+

LAUN, H. M.

THE EFFECT OF RADAR ON CARDIAC PACEMAKERS
1316

LAURENS, S.

VARIATIONS OF EXCITABILITY AND OF NERVOUS CONDUCTION UNDER THE INFLUENCE OF MICROWAVES (IN FRENCH)
0818

VARIATION OF SERUM TRYGLYCERIDES RATE UNDER THE ACTION OF EM WAVES: POWER LEVEL INFLUENCE
1129

EFFECT OF EM ENERGY ON THE FORMATION OF TRIGLYCERIDES: FREQUENCY INFLUENCE
1130

BIOLOGICAL ALTERATIONS OBSERVED UNDER MICROWAVE IRRADIATION
2290

COMPARISON OF THE EFFECT OF MICROWAVES ON THE LIPID METABOLISM OF SEVERAL MOUSE STRAINS
3404

LAVINE, L.

UPTAKE OF TRITIATED THYMIDINE DURING ELECTRICAL STIMULATION OF INDUCED CORTICAL BONE DEFECTS
2233

CLINICAL AND ULTRASTRUCTURAL INVESTIGATIONS OF ELECTRICAL ENHANCEMENT OF BONE HEALING
2244+

LAVINE, L. S.

ELECTRIC ENHANCEMENT OF BONE HEALING
1832+

PIEZOELECTRICITY AS A FUNDAMENTAL PROPERTY OF BIOLOGICAL TISSUES
2091

TREATMENT OF CONGENITAL PSEUDARTHROSIS OF THE TIBIA WITH DIRECT CURRENT
2778+

LAVROVA, V. L.

INVESTIGATION OF THE EFFECT OF LOW-INTENSITY UHF EM WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUSSIAN)
1633

LAWERENCE, P. D.

ELECTROCUTANEOUS NERVE STIMULATION-11: STIMULUS WAVE-FORM SELECTION
0067

LAWINSKI, C. P.

MEASUREMENT OF PERMITTIVITY OF SOLUTION OF SMALL BIOLOGICAL MOLECULES AT RADIOWAVE AND MICROWAVE FREQUENCIES
1304+

LAWRENCE, J. C.

EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 2: EFFECT OF THE RADIATION ON SKIN BIOCHEMISTRY
0452

EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 3: EFFECT OF PULSED MICROWAVES ON SKIN RESPIRATION AND BIOCHEMISTRY
0453

EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 1: MICROWAVE APPARATUS FOR EXPOSING TISSUE AND THE EFFECT OF THE RADIATION ON SKIN RESPIRATION
0523+

EFFECT OF PULSED MICROWAVES AT X-BAND ON SKIN METABOLISM
2049+

LAWSON, R. L.

RESEARCH ON BIOLOGICAL EFFECTS OF VLF BAND EMR
0955

LAWTON, L. E.

BIOMEDICAL ASPECTS OF NONIONIZING RADIATION: AN OVERVIEW OF THE NWL EFFORT
0827

LAWTON, R. A.

NEW STANDARD OF ELECTRIC FIELD STRENGTH.
3300+

A WIDE RANGE CW POWER MEASUREMENT TECHNIQUE.
3302+

LAZAREVIC, N.

STUDIES ON THE HEMATOLOGIC EFFECTS OF LONG-TERM, LOW-DOSE MICROWAVE EXPOSURE
2398

LAZAROVICH, V. G.

EFFECT OF MICROWAVE EMISSION ON THE CONTENT OF IRON, COPPER, COBALT AND METALLIC PROTEINS BONDED WITH THEM IN ORGANS AND TISSUES OF TEST ANIMALS
1498

INFLUENCE OF SUPER HIGH-FREQUENCY EM FIELDS ON THE CAPILLARY BED, PARENCHYMA, AND SOME BIOCHEMICAL PROPERTIES OF RAT TESTES
1502+

RF HAZARDS: WHAT WE DON'T KNOW CAN HURT ELEMENTS, METALLOPROTEINES AND SOME INDICATORS OF OXIDATION- REDUCTION PROCESSES IN THE ORGANISM
2348

ENGLISH ABSTRACT OF 'EFFECT OF EM OSCILLATIONS IN THE MICROWAVE RANGE ON THE IRON, COPPER, AND ALLIED METALLOPROTEIN CONCENTRATIONS IN BLOOD AND ORGANS (EXPERIMENTAL STUDY)'
2841

LE BARS, H.

BIOLOGICAL EFFECTS OF AN ELECTRIC FIELD ON RATS AND RABBITS
1592+

LE MOAL, M.

RADIOFREQUENCY LESION OF THE VENTRAL MESENCEPHALIC TEGMENTUM: NEUROLOGICAL AND BEHAVIORAL CONSIDERATIONS
0835+

LOCOMOTOR ACTIVITY AFTER VARIOUS RADIOFREQUENCY LESIONS OF THE LIMBIC MIDBRAIN AREA IN THE RAT. EVIDENCE FOR A PARTICULAR ROLE OF THE VENTRAL MESENCEPHALIC TEGMENTUM
1871

LE RUX, P.

EFFECT OF MICROWAVE ON DEVELOPMENT OF GONADS AND ADRENAL GLANDS IN THE NEWBORN RAT 3415

LEACH, K. E.

EFFECTS OF 2450 MHZ MICROWAVES ON MOUSE TESTICULAR CYTOLOGY 2894

LEACH, W.

MICROWAVE BIOLOGICAL EFFECTS UNDER REPRODUCIBLE DOSIMETRIC AND ENVIRONMENTAL CONDITIONS 2389

LEACH, W. M.

EFFECT OF 2450-MHZ MICROWAVES ON THE RADIATION RESPONSES OF X-IRRADIATED CHINESE HAMSTERS 0521

RESPONSES OF THE MOUSE TO MICROWAVE RADIATION DURING ESTROUS CYCLE AND PREGNANCY 0930

BIOLOGICAL ASPECTS OF ULTRAVIOLET RADIATION 0953+

ARE MICROWAVES TERATOGENIC? 1371

MICROWAVES INDUCE AN INCREASE IN THE FREQUENCY OF COMPLEMENT RECEPTOR-BEARING LYMPHOID SPLEEN CELLS IN MICE 2066

ON THE INDUCTION OF CHROMOSOMAL ABERRATIONS BY 2450 MHZ MICROWAVE RADIATION 2344+

THE EFFECT OF MICROWAVES (2450 MHZ) ON THE IMMUNE SYSTEM IN MICE. II. FUNCTIONAL STUDIES 2350

MICROWAVE TERATOGENESIS IN MICE 2358

EFFECTS OF 2450 MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMSTERS 2507

IMMUNE RESPONSE OF MICE TO 2450-MHZ MICROWAVE RADIATION: OVERVIEW OF IMMUNOLOGY AND EMPIRICAL STUDIES OF LYMPHOID SPLENIC CELLS 2756

LEARY, I.

RESEARCHING MICROWAVE HEALTH HAZARDS 3461+

LEASK, M. J.

A PHYSIOCHEMICAL MECHANISM FOR MAGNETIC FIELD DETECTION BY MIGRATORY BIRDS AND HOMING PIGEONS 2511+

LEBDA, N.

NEUROENDOCRINE AND CARDIODYNAMIC RESPONSE OF THE DOG SUBJECTED TO CRANIAL EXPOSURE TO 2450 MHZ MICROWAVES 2445

THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450-MHZ MICROWAVES 2747

THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450 MHZ MICROWAVES 2901

LEBDA, N. J.

BIOCHEMICAL AND NEUROENDOCRINE ASPECTS OF EXPOSURE TO MICROWAVES 1057

LEBOURGEOIS, J. P. C.

AN INTERSTITIAL DEVICE FOR MICROWAVE HYPERTHERMIA OF HUMAN TUMORS. 0329+

LEBOVITZ, R. M.

SIGNIFICANCE OF MICROTHERMAL EFFECTS DERIVED FROM LOW LEVEL UHF-MICROWAVE IRRADIATION OF THE HEAD: INDIRECT CALORIC VESTIBULAR STIMULATION 0524+

CALORIC VESTIBULAR STIMULATION VIA UHF-MICROWAVE IRRADIATION 0609+

DETECTION OF WEAK EMR BY THE MAMMALIAN VESTIBULOCOCHLEAR APPARATUS 1071+

THE SENSITIVITY OF PORTIONS OF THE HUMAN CENTRAL NERVOUS SYSTEM TO 'SAFE' LEVELS OF MICROWAVE RADIATION 1929+

SINGLE AUDITORY UNIT RESPONSES TO WEAK, PULSED MICROWAVE RADIATION 2145+

VESTIBULO-COCHLEAR SINGLE UNIT RESPONSES 2680+

MICROWAVE HEARING: THE RESPONSE OF SINGLE AUDITORY NEURONS IN THE CAT TO PULSED MICROWAVE RADIATION 2758+

LECHOVICH, R. V.

PROCEDURE FOR EVALUATING THE EFFECTS OF 2,450-MEGAHERTZ MICROWAVES UPON STREPTOCOCCUS FAECALIS AND SACCHAROMYCES CEREVISIAE 1920+

LECOEUR, J.

STUDY OF FLUCTUATIONS OF THE ELECTRIC FIELD IN ITS RELATIONSHIPS WITH HIBERNATING SUBJECTS ON KERGUELEN (IN FRENCH) 2843

LECUYER, D. W.

A PROPOSAL FOR A MICROWAVE RADIATION WARNING SIGN 1698

LEDEN, J. M.

MICROKYMATOTHERAPY: PRELIMINARY REPORT OF EXPEIMENTAL STUDIES OF THE HEATING EFFECT OF MICROWAVES (RADAR) IN LIVING TISSUES. 3369

LEDEN, U. M.

PRELIMINARY STUDIES ON THE HEATING AND CIRCULATORY EFFECTS OF MICROWAVES 'RADAR'. 3373+

LEE, C. S.

EFFECTS OF PROLONGED HIGH TEMPERATURE ON TESTICULAR DEVELOPMENT AND FERTILITY IN THE MALE RAT 2890

LEE, J. M.

ELECTRICAL & BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW 0083+

LEE, R. G.

DORSAL COLUMN STIMULATION 1385

LEE, W. R.

REEVALUATION OF LETHAL ELECTRIC CURRENTS 3278

LEEDS, C. J.

FLUOROSCOPE-GENERATED EM INTERFERENCE IN AN EXTERNAL DEMAND PACEMAKER--REPT. OF A CASE 2370+

LEEPER, F.

ELECTRICAL WIRING CONFIGURATIONS AND CHILDHOOD CANCER 0105

LEHMANN, E. J.

SEAFARER: IMPACTS AND STUDIES OF THE EXTREMELY LOW FREQUENCY COMMUNICATION SYSTEM (A BIBLIOGRAPHY W/ABSTRACTS) 0331+

LEHMANN, J.

DEVELOPMENT OF A 915-MHZ DIRECT-CONTACT APPLICATOR FOR THERAPEUTIC HEATING OF TISSUES 0045

EVALUATION OF A THERAPEUTIC DIRECT-CONTACT 915-MHZ MICROWAVE APPLICATOR FOR EFFECTIVE DEEP-TISSUE HEATING IN HUMANS 0049+

LEHMANN, J. F.

MICROWAVE THERAPY: STRAY RADIATION, SAFETY AND EFFECTIVENESS. 0427+

TEMPERATURE DISTRIBUTION PRODUCED IN MODELS BY THREE MICROWAVE APPLICATORS AT 433.92 MHZ 0911+

HEATING PATTERNS PRODUCED IN HUMANS BY 433.92 MHZ ROUND FIELD APPLICATOR AND 915 MHZ CONTACT APPLICATOR 1325+

THE USE OF NON-IONIZING RADIATION FOR THERAPEUTIC HEATING 2221+

MICROWAVE HEATING OF SIMULATED HUMAN LIMBS BY APERTURE SOURCES 2948

ON THE DETERMINATION OF AN OPTIMUM MICROWAVE DIATHERMY FREQUENCY FOR A DIRECT CONTACT APPLICATOR. 3284

STUDIES ON THERAPEUTIC HEATING BY ELECTROMAGNETIC ENERGY. 3318

ANALYSES OF THERAPEUTIC HEATING DUE TO A GENERAL ELECTROMAGNETIC APERTURE SOURCE. 3326

COMPARATIVE EVALUATION OF ELECTROMAGNETIC DIATHERMY MODALITIES IN 433 MHZ. TO 2450 MHZ.. 3327

A COMPARATIVE EVALUATION OF TEMPERATURE DISTRIBUTIONS PRODUCED BY MICROWAVES AT 2,456 AND 900 MEGACYCLES IN GEOMETRICALLY COMPLEX SPECIMENS.
3328+

COMPARISON OF RELATIVE HEATING PATTERNS PRODUCED IN TISSUES BY EXPOSURE TO MICROWAVE ENERGY AT FREQUENCIES OF 2,450 AND 900 MEGACYCLES.
3329+

COMPARISON OF DEEP HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES
3544+

TEMPERATURE DISTRIBUTIONS AS PRODUCED BY MICROWAVES IN SPECIMENS UNDER THERAPEUTIC CONDITIONS
3545

LEICHER-PREKA, A.

DEPENDENCE OF TOTAL AND DISTRIBUTED ABSORBED MICROWAVE ENERGY UPON SIZE AND ORIENTATION OF RAT PHANTOMS IN WAVEGUIDE
2194+

LEIGHTON, E.

OCULAR MEDICAL SURVEILLANCE ON MICROWAVE AND LASER WORKERS
2112

LEIKIND, M. C.

MAGNETISM: ITS EFFECT ON LIVING MATTER--A BIBLIOGRAPHY
2113+

LEITH, J. T.

EFFECTS OF INTERSITIAL IRRADIATION ALONE, OR COMBINATION WITH LOCALIZED HYPERTHERMIA ON THE RESPONSE OF A MOUSE MAMMARY TUMOR
3423

LEKHAN, I. G.

CHANGES IN TRANSAMINATION PROCESSES IN THE TISSUES OF LIVER AND THE SMALL INTESTINE OF RATS EXPOSED TO HIGH FREQUENCY ELECTROMAGNETIC FIELDS. (IN RUS.).
0146

CHANGE IN THE PROCESSES OF TRANSAMINATION IN THE TISSUES OF THE LIVER AND SMALL INTESTINE OF RATS UNDER THE ACTION OF HIGH FREQUENCY ELECTROMAGNETIC FIELDS.
0231

LEMASTER, F.

PANEL DISCUSSION I: MICROWAVE MEASUREMENTS METHODS AND STANDARDS FOR BIOLOGICAL RESEARCH AND HAZARDS SURVEYS
1550

LEMIRE, W. A.

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZARDS AND EFFECTS
3009

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCULATION
3010

LENKO, J.

STUDIES ON THE EFFECT OF MICROWAVES EMITTED BY RADAR DEVICES ON THE TESTICLES AND EPIDIDYMIDES OF RABBIT, COMMUNICATION I
2502

LENOIR-ROUSSEAUX, J.

EFFET DE L'IRRADIATION HYPERFREQUENCE SUR LE MECANISME DE TANNAGE CHEZ TENEBRIO MOLITOR COLEPTERE
2432

LENOX, R. H.

COMPARISON OF MICROWAVE IRRADIATION AT 986 VERSUS 2450 MHZ FOR IN VIVO INACTIVATION OF BRAIN ENZYMES IN RATS
0085

THE INACTIVATION OF RODENT BRAIN ENZYMES IN VIVO USING HIGH-INTENSITY MICROWAVE IRRADIATION.
0387

A MICROWAVE APPLICATOR FOR IN VIVO RAPID INACTIVATION OF ENZYMES IN THE CENTRAL NERVOUS SYSTEM
1034+

LENZ, M. W.

EXTERNAL FIELD EM MEASUREMENT OF BLOOD FLOW
0752

LEONARD, G. L.

DANGER OF OVERWARMING BLOOD BY MICROWAVE
0445

LEONARD, S. P.

ATTEMPTS TO INFLUENCE THE FEEDING BEHAVIOUR OF BROWN RATS USING ELECTROMAGNETISM.
0348

LEONHARDT, G. F.

MICROWAVE DRYING OF MICROORGANISMS: I. INFLUENCE OF THE MICROWAVE ENERGY AND OF THE SAMPLE THICKNESS ON THE DRYING OF YEAST
1384

LEPETIT, J. P.

DIELECTRIC RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS
0041+

LEROY, Y.

SIMULTANEOUS MICROWAVE LOCAL HEATING AND MICROWAVE THERMOGRAPHY: POSSIBLE CLINICAL APPLICATIONS
0264

MICROWAVE RADIOMETRY: ITS POSSIBLE BIOMEDICAL APPLICATION
0332

A MODIFIED RADIOMETER FOR TEMPERATURE AND MICROWAVE PROPERTIES MEASUREMENTS OF BIOLOGICAL SUBSTANCES
2410

LETANET, A. A.

THE BIOLOGICAL ACTION OF ULTRAHIGH FREQUENCIES
3444+

LETCHER, F. S.

HUMAN THRESHOLDS OF ELECTRIC SHOCK AT POWER TRANSMISSION FREQUENCIES
2022

MINIMUM THRESHOLDS FOR PHYSIOLOGICAL RESPONSES TO FLOW OF ALTERNATING ELECTRIC CURRENT THROUGH THE HUMAN BODY AT POWER-TRANSMISSION FREQUENCIES
3017

LEUTHAUSEL, W.

PRACTICAL EXPERIENCE WITH INTERFERENCE-CURRENT THERAPY OF MEN WITH VEGETATIVE UROGENITAL COMPLAINTS (IN GERMAN)
0018+

LEVCHUK, Y. N.

LOW FREQUENCY DIELECTRIC DISPERSION OF BIOLOGICAL TISSUES
0380+

LEVEEN, H. H.

A HISTOPATHOLOGIC STUDY ON THE EFFECT OF RADIOFREQUENCY THERMOTHERAPY ON MALIGNANT TUMORS OF THE LUNG
0107

HEAT IN TUMOR THERAPY
0648

TUMOR ERADICATION BY RADIOFREQUENCY THERAPY
0741+

TUMOR ERADICATION BY RADIOFREQUENCY THERAPY
0836

LEVENGOOD, W. C.

MORPHOGENESIS AS INFLUENCED BY LOCALLY ADMINISTERED MAGNETIC FIELDS
2114+

LEVIN, S. G.

EXTREMELY LOW FREQUENCY VERTICAL, 45-HZ ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD AND WATER CONSUMPTION, BLOOD METABOLITE, HEMATOLOGICAL, AND PATHOLOGICAL CHANGES
0957

EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMPTION AND BLOOD METABOLITE ALTERATIONS
1787

EFFECTS OF 45 HZ ELECTRIC FIELD EXPOSURE ON RATS
2183

LEVINE, H.

MICROWAVE OVEN TEST LOAD EVALUATION OF INTERAL MICROWAVE ENERGY DISTRIBUTION.
3282+

LEVINSON, D. M.

ACCELERATION AND DECELERATION OF FETAL GROWTH OF RATS BY 2450 MHZ MICROWAVE IRRADIATION.
0222

PHYCHOGENIC STRESSORS ARE POTENT MEDIATORS OF THE THERMAL RESPONSE TO MICROWAVE IRRADIATION
1251

A MICROWAVE OVEN FOR BEHAVIOURAL AND BIOLOGICAL RESEARCH: ELECTRICAL AND STRUCTURAL MODIFICATIONS, CALORIMETRIC, DOSIMETRY, AND FUNCTIONAL EVALUATION
1713

DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER
2738

DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER.
2897

FETAL RAT DEVELOPMENT IN RESPONSE TO MICROWAVE RADIATION. 2899

LEVINSON, S. R.
SOME DIELECTRIC PROPERTIES OF MUSCLE MEMBRANE AND THEIR POSSIBLE IMPORTANCE FOR EXCITATION-CONTRACTION COUPLING 2837

LEVY, A.
OXIDANT MEASUREMENTS IN THE VICINITY OF ENERGIZED 765 KV LINES 3014

LEVY, D. D.
A PULSED ELECTRICAL STIMULATION TECHNIQUE FOR INDUCING BONE GROWTH 2237+

LEVY, J.
EFFECTS OF 2.6-4.0 GHZ MICROWAVE RADIATION ON E-COLI B 2797

LEWIS, S. A.
EFFECTS OF RADIO-FREQUENCY ENERGY ON PRIMATE CEREBRAL ACTIVITY 1993

LI, G. C.
TEMPERATURE CONTROLLED CAVITY APPLICATOR FOR RADIO-FREQUENCY WAVE IRRADIATION OF MAMMALIAN CELLS IN VITRO 0256

LI, J.
ELECTRIC AND MAGNETIC FIELDS NEAR A CIRCULAR LOOD AT 27 MHZ. 3310+

LI, K.
HAZARDS DUE TO TOTAL BODY IRRADIATION BY RADAR 0557

THE MECHANISM OF ABSORPTION OF UHF EM ENERGY IN TISSUES, AS RELATED TO THE PROBLEM OF TOLERANCE DOSAGE 0558

CAPACITY AND CONDUCTIVITY OF BODY TISSUES AT UHF 0559

HAZARDS DUE TO TOTAL BODY IRRADIATION BY RADAR. 3322

MEASUREMENTS OF MATERIALS WITH HIGH DIELECTRIC CONSTANT AND CONDUCTIVITY AT ULTRAHIGH FREQUENCIES. 3338

MEASUREMENTS OF MATERIALS AT ULTRAHIGH FREQUENCIES. 3342

VARIATIONS BETWEEN MEASURED AND BIOLOGICALLY EFFECTIVE MICROWAVE DIATHERMY DOSAGE. 3368

HEATING OF FAT-MUSCLE LAYERS BY ELECTROMAGNETIC AND DIATHERMY. 3374

COMPARATIVE EVALUATION OF ELECTROMAGNETIC AND ULTRASONIC DIATHERMY 3534

LIBBER, L. M.
EXTREMELY LOW FREQUENCY EMR BIOLOGICAL RESEARCH 0972+

LIBERMAN, A. Y.
THE STUDY OF ICE AND WIND LOADINGS, GALLOPING, VIBRATION AND SUB-SPAN OSCILLATION OF CONDUCTORS AND QUESTIONS OF THEIR LIMITATIONS 3592

LIBOFF, A. R.
ELECTRIC ENHANCEMENT OF BONE HEALING 1832

LIBOFF, R. L.
BIOMAGNETIC HYPOTHESES 1902+

LIBURDY, R. P.
RADIOFREQUENCY RADIATION ALTERS THE IMMUNE SYSTEM: MODULATION OF T-AND B-LYMPHOCYTE LEVELS AND CELL- MEDIATED IMMUNOCOMPETENCE BY HYPERTHERMIC RADIATION. 0171+

RADIOFREQUENCY RADIATION ALTERS THE IMMUNE SYSTEM: MODULATION OF IN VIVO LYMPHOCYTE MIGRATION BY WHOLE-BODY HYPERTHERMIC RADIATION 0253+

EFFECTS OF RADIOFREQUENCY RADIATION ON MURINE PERIPHERAL WHITE BLOOD CELL POPULATION 2345+

EFFECTS OF RADIO-FREQUENCY RADIATION ON INFLAMMATION 2752+

LIDDLE, C. G.
SELECTED BIOLOGICAL EFFECTS OF MICROWAVE RADIATION AND IDENTIFICATION OF POTENTIALLY SUSCEPTIBLE POPULATION GROUPS 3557+

LIDMAN, B. L.
EFFECT OF RADAR EMANATIONS ON THE HAMATOPOIETIC SYSTEM. 3319+

LIEBE, H. J.
MOLECULAR TRANSFER CHARACTERISTICS OF AIR BETWEEN 40 AND 140 GHZ. 3261+

LIEBERMAN, J. A.
EPA ENERGY POLICY COMMITTEE REPORT–PROPOSED WORK SCOPE AND PROCEDURES - EPAEPC-1 3052+

LIGHTWOOD, R.
RADIOENERGY HEALING–MEDICINE OR MYTH? 2595+

LIKHACHEV, A. I.
THE INFLUENCE OF A CONSTANT EM FIELD ON THE DYNAMICS OF BLOOD FLOW OF WARM BLOODED ANIMALS (IN RUSSIAN) 1336+

LIKHTENSHTEIN, E. M.
EFFECT OF CONSTANT MAGNETIC FIELD ON THE COURSE OF PREGNANCY AND PROGENY DEVELOPMENT IN ALBINO RATS 1430

LILIENFELD, A. M.
PARENTAL FACTORS IN DOWN'S SYNDROME–RESULTS OF THE SECOND BALTIMORE CASE-CONTROL STUDY 1950

RADIATION EXPOSURE IN PARENTS OF CHILDREN WITH MONGOLISM (DOWN'S SYNDROME) 2035

THE EPIDEMIOLOGICAL STUDY OF MONGOLISM IN BALTIMORE 2523

LILIUS, H. G.
DISTURBANCES IN THE FUNCTION OF CARDIAC PACEMAKER CAUSED BY SHORT WAVE AND MICROWAVE DIATHERMIES AND PULSED HIGH FREQUENCY CURRENT 2087

LILLARD, H. S.
EFFECT OF MICROWAVE HEATING OF PRECOOKED CHICKEN ON CLOSTRIDIUM PERFRINGENS 2501

LIM, J. J.
AN INVESTIGATION OF THE BOUND WATER IN TENDON BY DIELECTRIC MEASUREMENT. 3213+

LIMOGE, A.
POINT ELECTROANESTHESIA (GENERAL ELECTROPHARMACEUTICAL ANESTHESIA 1224+

LIN J. C.
A NEW SYSTEM FOR INVESTIGATING NONTHERMAL EFFECT OF MICROWAVES ON CELLS 2209+

LIN, J. C.
0116+

STUDIES ON THE MICROWAVE-INDUCED AUDITORY EFFECT 0306+

BIOLOGICAL EFFECTS OF RADIO FREQUENCY WAVES 0309+

MICROWAVE EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO 0352+

MICROWAVE-EVOKED BRAINSTEM POTENTIALS IN CATS 0371+

A NONINVASIVE MICROWAVE APNEA DETECTOR 0381+

MICROWAVE APEXCARDIOGRAPHY 0383+

THE MICROWAVE AUDITORY PHENOMENON. 0399+

MICROWAVE SELECTIVE BRAIN HEATING 0806+

EM POWER DEPOSITION IN MAN EXPOSED TO HIGH-FREQUENCY FIELDS AND THE ASSOCIATED THERMAL AND PHYSIOLOGIC CONSEQUENCES 0811

MICROWAVE AUDITORY EFFECT–A COMPARISON OF SOME POSSIBLE TRANSDUCTION MECHANISMS 0839+

MICROWAVE-INDUCED HEARING: SOME PRELIMINARY THEORETICAL OBSERVATIONS 0850+

ELECTROPHYSIOLOGICAL EFFECTS OF EM FIELDS ON ANIMALS 0875

INTERACTION OF EM TRANSIENT RADIATION WITH BIOLOGICAL MATERIALS
0900+

A CAVITY-BACKED SLOT RADIATOR FOR MICROWAVE BIOLOGICAL EFFECT RESEARCH
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MICROWAVE INTERACTION WITH THE AUDITORY SYSTEMS OF HUMANS AND CATS
1046

THE OCCULAR EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE CATARACTOGENIC MECHANISMS
1068

MICROWAVE-INDUCED ACOUSTIC EFFECTS IN MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERIALS
1072

COUPLING OF GAUSSIAN EM PULSE INTO A MUSCLE-BONE MODEL OF BIOLOGICAL STRUCTURE
1124+

CYTOTOXIC EFFECTS OF EMR ON CHINESE HAMSTER CELLS IN CULTURE
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EM PULSE INTERACTION WITH MAMMALIAN CRANIAL STRUCTURES
1226+

SCATTERING OF MICROWAVES BY DIELECTRIC MATERIALS USED IN LAB. ANIMAL RESTRAINERS
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INTERACTION OF TWO CROSS-POLARIZED EM WAVES WITH MAMMALIAN CRANIAL STRUCTURES
1243+

MICROWAVE INDUCED TEMPERATURE RISES IN RABBIT EYES IN CATARACT RESEARCH
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MICROWAVE PROPERTIES OF FRESH MAMMALIAN BRAIN TISSUES AT BODY TEMPERATURE
1282+

HIGH FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIALS
1293

EFFECT OF 2450-MHZ RADIATION ON THE RABBIT EYE
1301

MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION
1327

NONINVASIVE MICROWAVE MEASUREMENT OF RESPIRATION
1329+

INDUCTION THERMOCOAGULATION OF THE BRAIN--QUANTITATION OF ABSORBED POWER
1334+

PERTURBATION EFFECT OF ANIMAL RESTRAINING MATERIALS ON MICROWAVE EXPOSURE
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POWER DEPOSITION IN A SPHERICAL MODEL OF MAN EXPOSED TO 1-20-MHZ EM FIELDS
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COMMENTS ON 'INDUCTION THERMOCOAGULATION--A SEED POWER STUDY'
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TRANSMISSION OF EM PULSE INTO THE HEAD
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THERMOGRAPHIC MEASUREMENT OF POWER ABSORPTION DENSITIES IN SPHEROIDAL TISSUE STRUCTURES AND PHANTOM MODELS OF MAN EXPOSED TO HIGH FREQUENCY EM FIELDS
1740

BEHAVIORAL CHANGES OF RATS EXPOSED TO MICROWAVE RADIATION
1848

QUANTITATION OF MICROWAVE RADIATION EFFECTS ON THE EYES OF RABBITS AT 2450 MHZ AND 918 MHZ
1858

MEASUREMENT OF ABSORBED POWER PATTERNS IN THE HEAD AND EYES OF RABBITS EXPOSED TO TYPICAL MICROWAVE SOURCES
1864

THEORETICAL ANALYSIS OF MICROWAVE-GENERATED AUDITORY EFFECTS IN ANIMALS AND MAN
2149+

THEORETICAL AND EXPERIMENTAL STUDI&S OF MICROWAVE INDUCED CATARACTS IN RABBITS
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MICROWAVE EFFECTS ON CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL FACTORS
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ON MICROWAVE-INDUCED HEARING SENSATION
2402+

MICROWAVE EFFECT ON RABBIT SUPERIOR CERVICAL GANGLION
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THEORETICAL CALCULATION OF FREQUENCIES AND THRESHOLDS OF MICROWAVE-INDUCED AUDITORY SIGNALS
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THERMOGRAPHIC AND BEHAVIORAL STUDIES OF RATS IN THE NEAR FIELD OF 918-MHZ RADIATIONS
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FURTHER STUDIES ON THE MICROWAVE AUDITORY EFFECT
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MICROWAVE BIOEFFECTS AND RADIATION SAFETY., M.A. STUCHLY, EDITOR.
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ELECTROPHYSIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS ON ANIMALS
3610

LIN, L.

EFFECTS OF UNIFORM MAGNETIC FIELDS ON THE BIOELECTRIC RESPONSE OF THE ALGA NITELLA CLAVATA
1583+

LINCHITZ, R.

PAIN RELIEF BY ELECTRICAL STIMULATION OF THE CENTRAL GRAY MATTER IN HUMANS AND ITS REVERSAL BY NALOXONE
2858

LINDAUER, G. A.

FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION
0578+

FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION
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LINDAUER, M.

ORIENTATION OF ANIMALS IN SPACE AND TIME. (IN GERMAN)
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LINDSAY, I. R.

THE PRACTICE OF MICROWAVE RADIATION SAFETY
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A REVIEW OF MICROWAVE RADIATION HAZARDS AND SAFETY STANDARDS
1262+

LINHART, G.

THERMORADIOTHERAPY IN ANIMAL EXPERIMENT: TUMOR GROWTH AND TUMOR CURE (IN GERMAN)
0008

COMBINATION OF RADIOTHERAPY, MICROWAVE HYPERTHERMIA AND CLOSTRIDIAL ONCOLYSIS ON EXPERIMENTAL MOUSE TUMORS.
0323

LINKO, K.

ERYTHROCYTE DAMAGE CAUSED BY THE HAEMOTHERM MICROWAVE BLOOD WARMER
0308+

LINTHICUM, J. M.

RF FIELD INTENSITY MEASUREMENTS IN SELECTED BROADCAST FACILITES
1643

LIPA, B. J.

SEARCH FOR CORRELATION BETWEEN GEOMAGNETIC DISTURBANCES AND MORTALITY
1229+

LIPKIN, M.

MEASUREMENT OF SOME THERMAL PROPERTIES OF HUMAN TISSUES
3514+

LIPPMAA, E.

A STUDY OF THE EFFECT OF RADIOFREQUENCY AND MICROWAVE EM FIELDS ON THE ENZYME-SUBSTRATE REACTION IN AQUEOUS SOLUTIONS AND ORGANIC SOLVENTS
2481

LIPPOLD, O. C.

THE CORNEO-RETINAL POTENTIAL AS THE GENERATOR OF ALPHA RHYTHM IN THE HUMAN ELECTROENCEPHALOGRAM
0731

LIPTON, S.

PHANTOM LIMB PAIN TREATED BY ELECTRICAL STIMULATION
3420

LITTLE, W. A.

THE PHYSICAL CHARACTERISTICS OF EM FIELD INTERACTION WITH MOLECULAR SYSTEMS
2424+

LITVINOV, N. N.

SOVIET-AMERICAN COOPERATION IN ENVIRONMENTAL HEALTH SCIENCE
0274

LIU, L. M.

FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION
0578

THE INSENSITIVITY OF FROG HEART RATE TO PULSE MODULATED MICROWAVE ENERGY
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THE RELATION OF TERATOGENESIS IN TENEBRIO MOLITOR AND HEART

RATE IN FROG TO THE INCIDENCE OF LOW LEVEL MICROWAVES
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ELECTRIC-FIELD DISTRIBUTION ALONG FINITE LENGTH LOSSY DIELECTRIC SLABS IN WAVEGUIDE
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THE RELATION OF TERATOGENESIS IN TENEBRIO MOLITOR TO THE INCIDENCE OF LOW-LEVEL MICROWAVES
1973+

FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION
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LIVENSON, A. R.

DETERMINATION OF THE COEFFICIENT OF REFLECTION FOR MULTILAYERED SYSTEMS OF BIOLOGICAL TISSUES IN THE MICROWAVE RANGE
0605+

ELECTRICAL PARAMETERS OF BIOLOGICAL TISSUE IN THE MICROWAVE RANGE, REPORT 2. METHODS OF GAUGING ELECTRICAL PARAMETERS OF BIOLOGICAL INTEREST
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LIVESAY, D. E.

EM FIELDS INDUCED INSIDE ARBITRARILY SHAPED BIOLOGICAL BODIES
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EM FIELDS INDUCED INSIDE OF BIOLOGICAL BODIES
1741+

LIVIN, Y. Y.

DETECTION OF MILLIMETER AND SUBMILLIMETER EMISSION BY MEANS OF JOSEPHSON JUNCTIONS
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LIVINGSTON, G. K.

DISCUSSION PAPER: FIBEROPTIC LIQUID CRYSTAL PROBE FOR ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREMENT IN TISSUE DURING IRRADIATION
1103

PERFORMANCE OF THE LCOF PROBE IN CALORIMETRIC AND TISSUE TEMPERATURE MONITORING APPLICATIONS
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LIVSHITS, N. N.

THE ROLE OF THE NERVOUS SYSTEM IN REACTIONS TO UHF EM FIELDS
0525+

CONDITIONED REFLEX ACTIVITY IN DOGS UNDER LOCAL INFLUENCE OF A V.H.F. FIELD UPON CERTAIN ZONES OF THE CEREBRAL CORTEX
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THE EFFECT OF AN ULTRA-HIGH FREQUENCY FIELD ON THE FUNCTIONS OF THE NERVOUS SYSTEM
2025+

LIVSTONE, E. M.

EVIDENCE FOR NONTHERMAL EFFECTS OF MICROWAVE RADIATION: ABNORMAL DEVELOPMENT OF IRRADIATED INSECT PUPAE
0456

LIZIN, J.

SURVIVAL OF CANINE KIDNEYS AFTER TREATMENT WITH DIMETHYLSULFOXIDE, FREEZING AT -80 DEGREES CELSIUS, AND THAWING BY MICROWAVE ILLUMINATION
2698

LLEWELLING, B. E.

MICROWAVES CAN KILL INSECT PESTS.
0240

LLOBERA, O.

TRANSIENT EFFECTS OF LOW-LEVEL MICROWAVE IRRADIATION ON BIOELECTRIC MUSCLE CELL PROPERTIES AND ON WATER PERMEABILITY AND ITS DISTRIBUTION
0874

LLOYD, R. S.

MICROBIOLOGICAL ASPECTS OF EM ENERGY IN COMBINATION WITH OTHER PHYSICAL FACTORS
2509

LOBANOVA, E. A.

INFLUENCE OF MICROWAVE RADIATION ON THE NERVOUS SYSTEM AND BEHAVIOR
0895

THE USE OF CONDITIONED REFLEXES TO STUDY MICROWAVE EFFECTS ON THE CENTRAL NERVOUS SYSTEM
1249+

EFFECT OF 191 AND 155 MHZ MICROWAVES ON THE CONDITIONED REFLEX ACTIVITY OF ANIMALS
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BIOLOGICAL EFFECTS OF CONTINUOUS AND PERIODIC MICROWAVE IRRADIATION IN ACUTE TESTS
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BIOLOGICAL EFFECTS OF CONTINUOUS AND PERIODIC MICROWAVE IRRADIATION IN CHRONIC EXPERIMENTS
1364+

LOBANOVA, Y. A.

THE DEPENDENCE OF THE TEMPERATURE RESPONSE TO MICROWAVE IRRADIATION ON THE INITIAL FUNCTIONAL STATE OF THE CNS
1459+

INVESTIGATIONS ON THE SUSCEPTIBILITY OF ANIMALS TO MICROWAVE (MW) IRRADIATION FOLLOWING TREATMENT WITH PHARMACOLOGIC AGENTS
1460+

THE PROBLEM OF GLIO-NEURONAL RELATIONSHIP IN THE RAT CEREBRAL CORTEX DURING LONG-TERM EXPOSURE TO MICROWAVES
1462

BIOLOGICAL EFFECT OF MICROWAVE OF LOW INTENSITY
3065

LOBELL, M. J.

PULSED HIGH FREQUENCY AND ROUTINE HOSPITAL ANTIBIOTIC THERAPY IN THE MANAGEMENT OF PELVIC INFLAMMATORY DISEASE: A PRELIMINARY REPT.
1809+

LODGE, W. B.

THE BROADCAST ANTENNA
3492

LOEFFLER, L.

ENVIRONMENTAL INFLUENCES WHICH CAN OR MAY CHANGE HEREDITY
2867+

LOGEN, J. B.

EFFECTS OF ELECTRIC CURRENT ON MAN
3277

LOMONOSOV, V. A.

MICROCALORIMETRY OF THE PROCESSES OF COAGULATION IN NORMAL CONDITIONS AND AFTER EXPOSURE TO A CONSTANT MAGNETIC FIELD
0952

THE MECHANISM OF THE BIOLOGICAL EFFECT OF CONSTANT MAGNETIC FIELDS
2489

LOMOVTSEV, Y. V.

COMBINED EFFECT OF ULTRAHIGH-FREQUENCY RADIATION AND HYPEROXIA ON ANIMALS
2826

LONG, D. M.

ELECTRICAL STIMULATION FOR THE CONTROL OF PAIN
2647+

LONG, G. M.

FIELD DEPENDENCY-INDEPENDENCY: A REVIEW OF THE LIT.
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LONG, M. D.

A COAXIAL AIR LINE MICROWAVE EXPOSURE SYSTEM: RESPIRATORY ACTIVITY OF MITOCHONDRIA IRRADIATED AT 2-4 GHZ
2175

LONGACRE, A.

THERMAL REGULATION IN LONG-EVANS RATS EXPOSED TO 2450 MHZ MICROWAVE RADIATION
1433

LONGACRE, A. J.

ABSENCE OF OCULAR PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES.
0174

LOPATIN, V. F.

COMBINATION OF CARMINOMYCIN WITH UHF HYPERTHERMIA IN THE TREATMENT OF SARCOMA 180 (IN RUSSIAN)
0252+

LOPEZ, A.

LETHALITY OF RADIO-FREQUENCY ENERGY UPON MICROORGANISMS IN LIQUID, BUFFERED, AND ALCOHOLIC FOOD SYSTEMS
2498

LORDS, J. L.

CELLULAR EFFECTS: MILLIMETER WAVES AND RAMAN SPECTRA-REPORT OF A PANEL DISCUSSION.
0392

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC EXPOSURE TO 2450-MHZ MICROWAVES.
0414

RATE EFFECTS IN ISOLATED HEARTS INDUCED BY MICROWAVE IRRADIATION
0526+

RATE EFFECTS IN ISOLATED TURTLE HEARTS INDUCED BY MICROWAVE IRRADIATION
1029

DISCUSSION PAPER: FIBEROPTIC LIQUID CRYSTAL PROBE FOR ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREMENT IN TISSUE DURING IRRADIATION
1103

NERVE STIMULATION BY IMPLANTED MICROWAVE DIODE
1494

LIQUID CRYSTAL FIBEROPTIC TEMPERATURE PROBE FOR THE MEASUREMENT OF EM POWER ABSORPTION IN TISSUE
1749

A NONPERTURBING TEMPERATURE SENSOR FOR MEASUREMENTS IN EM FIELDS
1819

LOW-LEVEL MICROWAVE INTERACTION WITH ISOLATED MAMMALIAN HEARTS
2446

MICROWAVE RADIATION ALTERS PERISTALTIC ACTIVITY OF ISOLATED SEGMENTS OF RAT GUT
2748

MICROWAVE IRRADIATION OF THE ISOLATED RAT HEART AFTER TREATMENT WITH ANS BLOCKING AGENTS
2749

BEHAVIORAL AND THERMAL EFFECTS OF MICROWAVE RADIATION AT RESONANT AND NONRESONANT WAVELENGTHS
2761

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK.
2927

LOS', I. P.

BIOEFFECTS IN RESPONSE TO A LOW INTENSITY PULSED 9,400 MHZ MICROWAVE ELECTROMAGNETIC FIELD.
0415

BIOLOGICAL ACTION OF AN INDUSTRIAL FREQUENCY (50 HZ) ELECTRIC FIELD.
0436

LOS, I. P.

STUDY OF NONIONIZING MICROWAVE RADIATION EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS
0277

LOSHAK, A. Y.

EVALUATION OF WORKING CONDITIONS OF CIVILIAN AIRPORT RADAR INSTALLATIONS
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LOTT, J. R.

SOME EFFECTS OF CONTINUOUS AND PULSATING ELECTRIC FIELDS ON BRAIN WAVE ACTIVITY IN RATS
1010+

SOME EFFECTS OF LOW-LEVEL DOSAGES OF MICROWAVES ON ISOLATED NERVE ACTIVITY
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LOTZ, W. G.

ENDOCRINE FUNCTION IN RHESUS MONKEYS EXPOSED TO PULSED MICROWAVE RADIATION.
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ADVANCES IN MICROWAVE-INDUCED NEUROENDORCRINE EFFECTS: THE CONCEPT OF STRESS.
0396

EFFECTS OF HYPOPHYSECTOMY AND DEXAMETHASONE ON RAT ADRENAL RESPONSE TO MICROWAVES.
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STIMULATION OF THE ADRENAL AXIS IN THE MICROWAVE EXPOSED RAT
1888+

NEUROENDOCRINE RESPONSES IN THE RAT AND DOG EXPOSED TO 2450 MHZ (CW) MICROWAVES
2676

LOUBIERE, R.

REPT. ON THE MICROWAVE-PROTECTION OF BACTERIA EXPOSED TO GAMMA IRRADIATION
0995

EFFECTS OF MICROWAVES ON THE CELL METABOLISM OF THE RETICULO-HISTOCYTIC SYSTEM
1280

NOTE ON THE RADIO PROTECTION EXERTED BY ULTRASHORT WAVES WITH RESPECT TO BACTERIA (IN FRENCH)
2627

RECHERCHES SUR LES LESIONS VISCERALES OBSERVEES CHEZ DES SOURIS ET DES RATS EXPOSES AUX ONDES ULTRA-COURTES: ETUDE PARTICULIERE DES EFFETS DE CES ONDES SUR LA REPRODUCTION DE CES ANIMAUX.
2919

LOUVILLE, Y.

POINT ELECTROANESTHESIA (GENERAL ELECTROPHARMACEUTICAL ANESTHESIA
1224

LOVE, A. A.

PHYSICAL EVALUATION OF PERSONNEL EXPOSED TO MICROWAVE EMANATIONS
2895

LOVELL. W. S.

INTERFEROMETRIC MEASUREMENTS OF THE COMPLEX DIELECTRIC CONSTANT OF LIQUIDS
3570+

LOVELY, R. H.

COCHLEAR MICROPHONICS GENERATED BY MICROWAVE PULSES
1207

A SYSTEM FOR QUANTITATIVE CHRONIC EXPOSURE OF A POPULATION OF RODENTS TO UHF FIELDS
1693

DISCRIMINATIVE CONTROL OF APPETITIVE BEHAVIOR BY PULSED MICROWAVE RADIATION IN RATS
2164

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION IN RATS
2165

CONDITIONED TASTE AVERSIONS IN THE RAT INDUCED BY A SINGLE EXPOSURE TO MICROWAVES
2444+

IN-VITRO RESPONSE OF LYMPHOCYTE CULTURES EXPOSED TO RF RADIATION: PROGRESS REPT. ON FEASIBILITY AND DETERMINATION OF CRITICAL VARIABLES
2613+

IRRADIATION OF RATS BY 918-MHZ MICROWAVES AT 2.5 MW/CM SQUARED: DELINEATING THE DOSE-RESPONSE RELATIONSHIP
2746+

IRRADIATION OF RATS BY LOW LEVEL 918 MHZ MICROWAVES: DELINEATING THE DOSE-RESPONSE RELATIONSHIP.
2911

LOVSTRAND, K. G.

DETERMINATION OF EXPOSURE TO ELECTRIC FIELDS IN EXTRA HIGH VOLTAGE SUBSTATIONS
1644+

LOVSUND, P.

INFLUENCE ON VISION OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS
0353+

LOWE, J. F.

DISINFESTING PROCESS HERTZ ONLY INSECTS
1317+

LOWELL, W. R.

NONMETALLIC ELECTRODE SYSTEM FOR RECORDING EEG AND ECG IN ELECTROMAGNETIC FIELDS
1163

LOWENSOHN, B.

A PRELIMINARY INVESTIGATION OF THE RELATION BETWEEN ATMOSPHERIC QUALITY AND CRIME RATES IN THE GREATER LOS ANGELES AREA
0639+

LOZANO, A. P.

CHRONIC PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS
3414

LU, S.

THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450 MHZ MICROWAVES
2901+

LU, S. T.

MICROWAVES: EFFECT ON THERMOREGULATORY BEHAVIOR IN RATS
0358

ADVANCES IN MICROWAVE-INDUCED NEUROENDORCRINE EFFECTS: THE CONCEPT OF STRESS.
0396+

THERMOGENETIC AND CARDIODYNAMIC REGULATION IN DOGS CRANIALLY EXPOSED TO 2450 MHZ (CW) MICROWAVES
0655+

BIOCHEMICAL AND NEUROENDOCRINE ASPECTS OF EXPOSURE TO MICROWAVES
1057

MICROWAVE HEATING EFFECT ON THE DOG THYROID GLAND
1429

NEUROENDOCRINE AND CARDIODYNAMIC RESPONSE OF THE DOG SUBJECTED TO CRANIAL EXPOSURE TO 2450 MHZ MICROWAVES
2445+

NEUROENDOCRINE RESPONSES IN THE RAT AND DOG EXPOSED TO 2450 MHZ (CW) MICROWAVES
2676

THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450-MHZ MICROWAVES
2747+

STIMULATION OF DOG THYROID BY LOCAL APPLICATION OF HIGH INTENSITY MICROWAVES
2824

LUAN, P. C.

A STUDY OF CORONA DISCHARGES AT WATER DROPS OVER THE FREEZING TEMPERATURE RANGE
3135+

LUBIN, M.

CATARACTS AND ULTRA-HIGH-FREQUENCY RADIATION
3607

LUCE, G. G.
BIOLOGICAL RHYTHMS IN PSYCHIATRY AND MEDICINE 2957+

LUCKENS, M. M.
SOME ASPECTS OF NONIONIZING RADIATION REVISITED 2379+

LUCZAK, M.
INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTERFERON 0053
EFFECT OF MICROWAVES ON CELL FUNCTION AND VIRUS REPLICATION IN CELL CULTURES IRRADIATED IN VITRO 1077
EFFECT OF MICROWAVES ON VIRUS MULTIPLICATION IN MAMMALIAN CELLS 1159+
EFFECT OF MICROWAVES COMBINED WITH INTERFERON AND/OR INTERFERON INDUCERS (POLY I-POLY C) ON DEVELOPMENT OF SARCOMA 180 IN MICE 1160
AUTORADIOGRAPHIC ANALYSIS OF PROTEIN SYNTHESIS AND MEASUREMENTS ON NUCLEAR VOLUME IN WISH CELL CULTURES IRRADIATIED WITH 3 GHZ EMR 1328
KARYOMETRIC OBSERVATIONS OF WISH CELL CULTURES IRRADIATED WITH 3 GHZ MICROWAVES 2052
IN VITRO AND IN VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA 2065
THE INFLUENCE OF MICROWAVE RADIATION ON NORMAL AND NEOPLASTIC CELLS 2602

LUDBROOK, J.
ELECTRICAL BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION 2403

LUDFORD, J. F.
STATUS OF THE FIELD OF BIOLOGICAL EFFECTS OF RADIO-FREQUENCY RADIATION 3005+

LUDLOW, J.
TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION 2340
STUDIES CONCERNING THE POSTNATAL EFFECTS OF PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATION 2864
STUDIES CONCERNING THE EFFECTS OF PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN THE PREGNANT RAT 2865
TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION. 2881

LUDWIG, H. W.
PSYCHOPHYSIOLOGICAL EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS: A REVIEW 0935
ELECTROCLIMATOLOGY (IN GERMAN) 1179+
THE INFLUENCE OF AN ELF EM ALTERNATING FIELD ON HIGHER ORGANISMS (IN GERMAN) 1180+
THE EFFECT OF A SCREENING OF THE ELECTRIC FIELD DURING THE NIGHT ON PEOPLE SUFFERING FROM RHEUMATISM (IN GERMAN) 1181+
SHIELDING EFFECT OF MATERIALS IN THE ULF, ELF AND VLF REGION 1183+
PHYSIOLOGICAL EFFECTS OF EM FIELDS IN THE ELF REGION, PART II. A REVIEW 1184+
A HPYOTHESIS CONCERNING THE ABSORPTION MECHANISM OF ATMOSPHERICS IN THE NERVOUS SYSTEM 2126+
ATMOSPHERIC INFLUENCE ON ORGANIC TISSUE: A THEORETICAL CONSIDERATION (IN GERMAN) 2622+
COMPATIBILITY OF WEAK MAGNETIC ELF FIELDS 2832+

LUEDEKE, K. M.
A NEW RADIATION BALANCE MICROWAVE THERMOGRAPH FOR SIMULTANEOUS AND INDEPENDENT TEMPERATURE AND EMISSIVITY MEASUREMENTS 0255+

LUHR, C.
ELECTROCOAGULATION OF GASSER'S GANGLION IN TRIGEMINAL PAINS (IN SPANISH) 2859

LUK'YANOVA, S. N.
ELECTROPHYSIOLOGICAL ANALYSIS OF RESPONSES OF THE CENTRAL NERVOUS SYSTEM TO ELECTROMAGNETIC FIELDS 2480

LUK, K. H.
THE USE OF 2450 MHZ OF MICROWAVE IN CANCER THERAPY. 0170+

LUKAS, E.
HEALTH CONDITION OF WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION 3193

LUNDQUIST, S.
BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS 2542+

LUST, W. D.
THE EFFECT OF ELECTROSHOCK ON ENERGY METABOLISM IN CEREBELLAR LAYERS 2638

LUSTRIN, I.
ELECTRIC ENHANCEMENT OF BONE HEALING 1832
CLINICAL AND ULTRASTRUCTURAL INVESTIGATIONS OF ELECTRICAL ENHANCEMENT OF BONE HEALING 2244
TREATMENT OF CONGENITAL PSEUDARTHROSIS OF THE TIBIA WITH DIRECT CURRENT 2778

LUTOMIRSKI, R. F.
INDUCED FIELDS AND HEATING WITHIN A CRANIAL STRUCTURE IRRADIATED BY AN EM PLANE WAVE 0717
TEMPERATURE DISTRIBUTION IN A SPHERE WITH LOCAL COOLING. 3286+

LUZZIO, A. J.
EFFECTS OF RADIO-FREQUENCY ENERGY ON HUMAN GAMMA GLOBULIN 2952

LYNN, J. F.
MAN-MADE EM NOISE IN SOUTHERN CALIF. AND SOUTHERN NEV. 0987+
PROLIFERATION OF EM POLLUTION OR LOOK WHAT WE'RE DOING TO OURSELVES! 1743+

LYSKOV, Y. I.
DEVELOPMENT OF EHV AND UHV SYSTEMS IN THE USSR 3582+
ELECTRICAL FIELD AS A PARAMETER CONSIDERED IN DESIGNING ELECTRIC POWER TRANSMISSION OF 750-1150 KV: THE MEASURING METHODS, THE DESIGN PRACTICES AND DIRECTION OF FURTHER RESEARCH 3587+
GENERAL DIRECTION OF 750-1500 KV A.C. POWER-TRANSMISSION DEVELOPMENT AND UTILIZATION OF VARIOUS TYPES OF EQUIPMENT ON THESE POWER TRANSMISSIONS 3588+
MAJOR PRINCIPLES IN SWITCHING OVERVOLTAGE PROTECTION OF EXTRA HIGH VOLTAGE POWER TRANSMISSIONS 3589

LYTLE, C. D.
A REVIEW OF PHOTODYNAMIC THERAPY FOR HERPES SIMPLEX: BENEFITS AND POTENTIAL RISKS 3130

LYTLE, J.
DETERMINATION OF THE IN SITU GROUND CONDUCTIVITY AND RELATIVE DIELECTRIC CONSTANT VIA THE TWO-LOOP METHOD USING SWEPT FREQUENCY EXCITATION - UCRL-51266 3049+
SUBSURFACE PROBING BY MEASUREMENT OF THE WAVE TILT OF ELECTROMAGNETIC SURFACE WAVES 3099+

M

MACALPIN, R. N.
EXTERNAL FIELD EM MEASUREMENT OF BLOOD FLOW 0752

MACCIOLI, J. T.
RF HEALTH HAZARDS AND MONITORING METERS–RECENT NOTES 0698+

MACGREGOR, R. J.
A BRIEF SURVEY OF LITERATURE RELATING TO THE INFLUENCE OF LOW INTENSITY MICROWAVES ON NERVOUS FUNCTION
2512+
A DIRECT MECHANISM FOR THE INFLUENCE OF MICROWAVE RADIATION ON NEUROELECTRIC POTENTIALS
2559+

MACK R. B.
ON MEASURING THE RADAR CROSS SECTIONS OF DUCKS AND CHICKENS
3508

MACKAY, C.
INFARCTION OF FALLOPIAN TUBE AFTER TUBAL DIATHERMY
0846

MACKAY, N. A.
PAIN SENSATIONS ASSOCIATED WITH ELECTROCUTANEOUS STIMULATION
1245

MACKENZIE, T.
SOME TECHNIQUES AND THEIR LIMITATIONS AS RELATED TO THE MEASUREMENT OF SMALL REFLECTIONS IN PRECISION COAXIAL TRANSMISSION LINES.
3346+

MACKLIS, J. D.
TEMPERATURE DEPENDENCE OF THE MICROWAVE PROPERTIES OF AQUEOUS SOLUTIONS OF ETHYLENE GLYCOL BETWEEN +15 DEGREE CELSIUS AND -70 DEGREE CELSIUS.
0172+
MICROWAVE PROPERTIES OF CRYOPROTECTANTS
3412+

MACMILLAN, A. D.
EMBRYONIC CHICK TIBIAE IN STEADY ELECTRIC FIELDS
0943

MACMURRAY, L. C.
MICROWAVE RADIATION HAZARDS PROBLEMS IN THE U. S. ARMY
1566+

MADHVANATH, U.
MUTAGENIC ACTION OF NON-IONIZING RADIATIONS: ITS IMPLICATION IN RADIATION PROTECTION
2057+

MADORSKIY, V. A.
HEALTH CONDITIONS OF WORKERS IN HIGH-VOLTAGE ELECTRIC FIELDS
3067

MAGDALENO, S. R.
AN EVALUATION OF POSSIBLE EFFECTS OF 45 HZT, 60 HZ AND 75 HZ ELECTRIC FIELDS ON NEUROPHYSIOLOGY AND BEHAVIOR OF MONKEYS, PHASE I: CONTINUOUS WAVE
1373

MAGIN, R. L.
EFFECTS OF LOCAL TUMOR HYPERTHERMIA ON THE GROWTH OF SOLID MOUSE TUMORS.
0333+
THE EFFECT OF HYPERTHERMIA ON HUMAN COLON CANCER XENOGRAFTS IN NUDE MICE.
0337
BIOCHEMICAL AND NEUROENDOCRINE ASPECTS OF EXPOSURE TO MICROWAVES
1057
BIOLOGICAL EFFECTS OF MICROWAVES ON THE HYPOTHALAMIC/ PITUITARY/THYROID AXIS
1374+
MICROWAVE HEATING EFFECT ON THE DOG THYROID GLAND
1429+
THE EFFECTS OF LOCALIZED MICROWAVE EXPOSURE ON THE DOG THYROID
1606+
PRELIMINARY IN-VIVO PROBE MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN MICE
2455
STIMULATION OF DOG THYROID BY LOCAL APPLICATION OF HIGH INTENSITY MICROWAVES
2824+
ENHANCEMENT OF CANCER CHEMOTHERAPY BY SELECTIVE ELECTROMAGNETIC HEATING OF TUMORS
3393

MAGIN, S. W.
THE OCULAR LENS AND CATARACT
1170

MAHLUM, D. D.
BIOMAGNETIC EFFECTS: A CONSIDERATION IN FUSION REACTOR DEVELOPMENT
1638+

MAICANESCU, M.
GONADIC FUNCTION IN WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES
1318

MAIONE, S.
STIMULATION WITH AUTOMATIC RADIOFREQUENCY SYNCHRONIZATION AND PACING IN THE LONG-TERM TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN FRENCH)
3399

MAJCHEREK, J.
A NONINVASIVE MICROWAVE APNEA DETECTOR
0381

MAJEWSKA, K.
INVESTIGATIONS ON THE EFFECT OF MICROWAVES ON THE EYE
0699+

MAKAKEEVA, V.
CERVICAL ENDOMETRIOSIS AS A COMPLICATION AFTER DIATHERMIC COAGULATION OF THE UTERINE CERVIX (IN BULGARIAN)
1407

MAKHOV, A. M.
RESONANCE PHENOMENA IN THE ACTION OF MILLIMETER ELECTROMAGNETIC WAVES ON BIOLOGIC OBJECTS (IN RUSSIAN)
0294
SURVEY ARTICLE ON NIEMR RESONANCE PHENOMENA
0384

MAKOTCHENKO, V. M.
CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS
0627

MAKSIMENKO, N. V.
INDUSTRIAL HYGIENE PROBLEMS OF WORKING WITH ULTRA-SHORTWAVE TRANSMITTERS USED IN TELEVISION AND RADIO BROADCASTING
2556

MAKSIMOVA, L. I.
THE EFFECTS OF DECIMETRIC WAVES ON THE EXCHANGE OF CATECHOLAMINES IN THE TISSUES OF HEALTHY RABBITS (IN RUSSIAN)
2846+

MALACARNE, P.
CHROMOSOME STUDIES OF RADAR CENTRE STAFF EXPOSED TO EMR (IN ITALIAN)
1007

MALAGONI, M. A.
THE EFFECT OF HYPERTHERMIA ON SURVIVAL IN TRANSPLANTED LYMPHOSARCOMA
0019+

MALAGUTI, C.
RESEARCH CARRIED OUT IN ITALY BY ENEL ON THE EFFECTS OF HIGH VOLTAGE ELECTRIC FIELDS
1589

MALBOYSSON, E.
MEDICAL CONTROL OF MEN WORKING WITHIN EM FIELDS
1590+

MALCOLM, J. E.
ACTION OF CORTI'S ORGAN AND THE COCHLEA: A NEW THEORY
1073+

MALENYUK, B. V.
EFFECT OF SUPERHIGH FREQUENCY FIELDS OF HIGH INTENSITIES ON THE BLOOD COAGULATION SYSTEM
1480

MALING, J. E.
ENZYME-SUBSTRATE REACTIONS IN VERY HIGH MAGNETIC FIELDS. I
2118

MALINICK, M.
EM SUSCEPTIBILITY OF HEART PACEMAKERS TEST RESULTS
2296

MALININ, G. I.
EVIDENCE OF MORPHOLOGICAL AND PHYSIOLOGICAL TRANSFORMATION OF MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS
0660+

MALININA-PUTSENKO, V. P.
CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS
0627

MALYSHEV, V. M.
THE DISRUPTION OF THE ENDOCRINE SYSTEM UNDER THE CHRONIC EFFECT OF A SUPERHIGH FREQUENCY FIELD
1938
CHANGES IN THE BLOOD SYSTEM DURING CHRONIC EXPOSURE TO A SUPERHIGH-FREQUENCY FIELD
2013

MAMAHON, E. K.
THE LETHAL EFFECTS OF A HIGH FREQUENCY ELECTRIC FIELD ON ESCHERICHIA COLI
3470

MAMIKONIANTS, L. G.
DEVELOPMENT OF EHV AND UHV SYSTEMS IN THE USSR
3582

MAMOUNI, A.
SIMULTANEOUS MICROWAVE LOCAL HEATING AND MICROWAVE THERMO-

GRAPHY: POSSIBLE CLINICAL APPLICATIONS 0264

MICROWAVE RADIOMETRY: ITS POSSIBLE BIOMEDICAL APPLICATION 0332+

A MODIFIED RADIOMETER FOR TEMPERATURE AND MICROWAVE PROPERTIES MEASUREMENTS OF BIOLOGICAL SUBSTANCES 2410+

MANIEY, J.

EFFECT OF MICROWAVE ON DEVELOPMENT OF GONADS AND ADRENAL GLANDS IN THE NEWBORN RAT 3415+

MANOILOV, S. E.

EFFECTS OF MILLIMETER-BAND EM WAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN BACTERIA 2304+

MANOILOV, V.

FUNDAMENTALS OF ELECTRICAL SAFETY 2404+

MANOYLOV, S. Y.

POSSIBILITY OF USING EMR'S OF THE MILLIMETER WAVELENGTH TO INTENSIFY THE BIOLOGICAL PROPERTIES OF BLOOD PROTEINS 2346+

MANRIQUE, M.

CHRONIC PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS 3414+

MANTHEI, R. C.

THE SLEEP PROCESS OF RABBITS EXPOSED TO LOW INTENSITY NON-IONIZING EMR. I. DEVELOPMENT OF METHODOLOGY 2174+

MANTIPLY, E. D.

POPULATION EXPOSURE TO VHF AND UHF BROADCAST RADIATION IN THE UNITED STATES 0104

MANUEL, F.

THE USE OF 2450 MHZ OF MICROWAVE IN CANCER THERAPY. 0170

MANUILENKO, Y. I.

EFFECT OF STATIC ELECTRICITY ON THE HUMAN ORGANISM UNDER THE CONDITIONS PREVAILING IN THE CITY OF FRUNZE (IN RUSSIAN) 2076+

MAR'YECHKIN, Y. F.

EVALUATION OF WORKING CONDITIONS OF CIVILIAN AIRPORT RADAR INSTALLATIONS 2558

MARABLE, J. H.

EFFECTS OF ELECTROMAGNETIC PULSE (EMP) ON A POWER SYSTEM 3074+

MARBACH, J. R.

THE EFFECTS ON CARDIAC PACEMAKERS OF IONIZING RADIATION AND ELECTROMAGNETIC INTERFERENCE FROM RADIOTHERAPY MACHINES 3417+

MARCHENKO, N. I.

CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS 0627

MARGOLIN, L.

MICROWAVES: EFFECT ON THERMOREGULATORY BEHAVIOR IN RATS 0358

MARHA, K.

MICROWAVE RADIATION SAFETY STANDARDS IN EASTERN EUR. 0700+

SOME EFFECTS OF VARIOUS PULSED FIELDS ON ANIMALS WITH AUDIOGENIC EPILEPSY 1253

MAXIMUM ADMISSIBLE VALUES OF HF AND UHF EMR AT WORK PLACES IN CZECHOSLOVAKIA 1544+

ELECTROMAGNETIC FIELDS AND THE LIFE ENVIRONMENT 2249+

SOME EXPERIMENTAL OBSERVATIONS OF THE EFFECT OF A HIGH-FREQUENCY EM FIELD IN VIVO AND IN VITRO 2577+

ELECTROMAGNETIC FIELD AND THE LIVING ENVIRONMENT 3481+

MARIGOLD, J. C. L.

A MICROWAVE HEATING SYSTEM FOR IMPROVING TEMPERATURE UNIFORMITY IN HEATED TISSUE. 0238

MARINO, A. A.

HIGH VOLTAGE LINES: HAZARD AT A DISTANCE 0084+

SPACE OSTEOPOROSIS: AN ELECTROMAGNETIC HYPOTHESIS 0175+

THE EFFECT OF CONTINUOUS EXPOSURE TO LOW FREQUENCY ELECTRIC FIELDS ON THREE GENERATIONS OF MICE: A PILOT STUDY 0674+

EVALUATION OF ELECTROCHEMICAL INFORMATION TRANSFER SYSTEM, PART I: EFFECT OF ELECTRIC FIELDS ON LIVING ORGANISMS 0696+

ELECTRIC FIELD EFFECTS IN SELECTED BIOLOGIC SYSTEMS 1053+

ELECTROSTATIC FIELDS AND SECONDARY GLAUCOMA IN RATS 1112+

EFFECT OF CONTINUOUS EXPOSURE TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON RATS 1421+

ENERGY FLUX ALONG HIGH VOLTAGE TRANSMISSION LINES 1964

ELECTROSTATIC FIELD INDUCED CHANGES IN MOUSE SERUM PROTEINS 2050+

CLINICAL EXPERIENCES WITH LOW INTENSITY DIRECT CURRENT STIMULATION OF BONE GROWTH 2779

TESTIMONY 3132+

MARKOV, V. V.

HYGIENIC EVALUATION OF WORKING CONDITIONS INVOLVING RADIOWAVE EMITTERS ON THE BASIS OF DYNAMIC STUDIES ON THE NATURE OF RADIATION DURING A WORK SHIFT 1437+

ELECTROENCEPHALOGRAPHIC CHANGES UNDER THE INFLUENCE OF LOW INTENSITY CHRONIC MICROWAVE IRRADIATIONS 1445

THE EFFECTS OF CONTINUOUS AND INTERMITTENT MICROWAVE RADIATION ON WEIGHT AND ARTERIAL PRESSURE DYNAMICS OF ANIMALS IN CHRONIC EXPERIMENTS 1446+

THE EFFECTS OF INTERMITTENT AND CONTINUOUS IRRADIATION ON CHANGES IN THE SECRETORY FUNCTION OF THE HYPOTHALAMUS AND CERTAIN ENDOCRINE GLANDS 1450

MARKOW, D. M.

IMMERSION ULTRASONIC BRAIN EXAMINATION -360 DEGREE COMPOUND SCAN. 3377+

MARMOR, J. B.

TUMOR CURE AND CELL SURVIVAL AFTER LOCALIZED RADIOFREQUENCY HEATING 2120+

MAROCHKO, L. G.

EFFECTS OF HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN) 0015

MAROM, E.

MICROWAVE HOLOGRAPHY USING LIQUID CRYSTAL AREA DETECTORS. 3362

MARQUIS, R. E.

PASSIVE ELECTRICAL PROPERTIES OF MICROORGANISMS III. CONDUCTIVITY OF ISOLATED BACTERIAL CELL WALLS 1915

MARR, M. J.

OPERANT METHODS ASSESSING THE EFFECTS OF ELF EM FIELDS 1714

THE EFFECT OF LOW ENERGY, EXTREMELY LOW FREQUENCY (ELF) EMR ON OPERANT BEHAVIOR IN THE PIGEON AND THE RAT 1757+

MARRON, M.

LONG TERM EFFECTS OF EM FIELDS ON PHYSARUM POLCEPHALUM 2473

MARRON, M. T.

BIOEFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS.
0149 OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS. 0152

MITOTIC DELAY IN THE SLIME MOULD PHYSARUM POLYCEPHALUM INDUCED BY LOW INTENSITY 60 AND 75 HZ EM FIELDS 0907+

EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND DIFFERENTIATION OF PHYSARUM POLYCEPHALUM 1030

EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON GROWTH AND

DIFFERENTIATION OF PHYSARUM POLYCEPHALUM, PHASE I: CONTINUOUS WAVE
1753

LONG-TERM EFFECTS OF WEAK 45-75 HZ EM FIELDS ON THE SLIME MOLD PHYSARUM POLYCEPHALUM
2182

EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS ON PHYSARUM POLYCEPHALUM
3147

MARSH, G.

THE EFFECT OF SIXTY-CYCLE AC CURRENT ON THE REGENERATION AXIS OF DUGESIA
2648+

MARSHALL, J.

RETINAL SENSITIVITY TO SHORT WAVELENGTH LIGHT
1248+

MARTIN, A. V.

BIOLOGICAL RISKS IN THE EM ENVIRONMENT OF AEROSPACE ACTIVITIES (IN FRENCH)
1843+

MARTIN, E. J.

THE RADIATION HAZARDS (RAD HAZ) PROGRAM ON THE FORMULATION OF STANDARDS
0461

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS
3466+

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS
3572

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS
3573

MARTIN, G. M.

PHYSICAL MEDICINE: DIATHERMY: MICROWAVE.
3375+

MARTIN, J. A.

BIOLOGICAL EFFECTS OF FIELDS OF THE SIEGE ARRAY
2083+

MARTIN, P.

EXPOSURE OF DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS
2180

MARTIN, W. G.

SURVIVAL OF MICROBIAL FILMS IN THE MICROWAVE OVEN
3425

MARTSINKEVICH, V. N.

DETERMINING INTRAVITAL CHARACTER AND TIME OF POSTMORTEM INJURY OF TISSUES AND ORGANS BY SUPERHIGH RADIOFREQUENCIES (IN RUSSIAN)
2074

MARUVADA, P. S.

RADIO NOISE METER RESPONSE TO RANDOM PULSES BY COMPUTER SIMULATION
3116+

MARUVODA, P. S.

A COMPARATIVE STUDY OF THE CORONA OERFORMANCE OF CONDUCTOR BUNDLES FOR 1200 KV TRANSMISSION LINES
3565

MARUYAMA, Y.

ASSAY OF NOREPINEPHRINE AND DOPAMINE IN THE RAT BRAIN AFTER MICROWAVE IRRADIATION
3416+

MARYOTT, A. A.

TABLES OF DIELECTRIC DISPERSION DATA FOR PURE LIQUIDS AND DILUTE SOLUTIONS (EXTRACTS THEROF).
3198

MARZAT, C.

DIELECTRIC RELAXATIONS OF EMULSIONS OF SALINE AQUEOUS SOLUTIONS
0041

MICROWAVE DIELECTRIC RELAXATION OF AQUEOUS SOLUTIONS OF DEXTRAN
3403

MARZEYEV, A. N.

DYNAMICS OF CHANGES IN AN ORGANISM'S BEHAVIORAL REACTIONS INDUCED BY MICROWAVE RADIATION.
0433

MASON, A. D.

THE PATHOPHYSIOLOGY OF ACUTE ELECTRIC INJURIES
2321

MASON, J. F.

GERM-GAS ELECTRONIC DETECTORS NEEDED
0528+

MASON, J. L.

PAIN SENSATIONS ASSOCIATED WITH ELECTROCUTANEOUS STIMULATION
1245+

MASSARSKAYA, F. T.

MICROWAVE THERAPY OF INFLAMMATION OF THE GENITALS
2353

MASSOUDI, H.

APPROXIMATE CALCULATION OF SAR FOR PLANEWAVE IRRADIATION OF MAN MODEL NEAR A GROUND PLANE.
0242

AN EMPIRICAL FORMULA FOR BROAD-BAND SAR CALCULATIONS OF PROLATE SPHEROIDAL MODELS OF HUMANS AND ANIMALS.
0301

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIOFREQUENCY POWER
0742

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK
0878

LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF A PROLATE SPHEROID MODEL OF MAN
1174

LONG-WAVELENGTH EM POWER ABSORPTION IN PROLATE SPHEROIDAL MODELS OF MAN AND ANIMALS
1305

EM POWER ABSORPTION IN ANISOTROPIC TISSUE MEDIA
1306

LONG-WAVELENGTH ANALYSIS OF EM POWER ABSORPTION BY PROLATE SPHEROIDAL AND ELLIPSOIDAL MODELS OF MAN
1604+

LONG-WAVELENGTH ANALYSIS OF PLANE WAVE IRRADIATION OF AN ELLIPSOIDAL MODEL OF MAN
1611+

LONG-WAVELENGTH EM POWER ABSORPTION IN ELLIPSOIDAL MODELS OF MAN AND ANIMALS
1612+

COMPARISON OF THEORETICAL AND EXPERIMENTAL ABSORPTION OF RADIO FREQUENCY POWER
1684

THEORETICAL CALCULATIONS OF POWER ABSORBED BY MONKEY AND HUMAN PROLATE SPHEROIDAL PHANTOMS IN AN IRRADIATION CHAMBER
2193+

DESCRIPTIVE SUMMARY: RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK
2735

COMPARISON OF THE AVERAGE SPECIFIC ABSORPTION RATE IN THE ELLIPSOIDAL CONDUCTOR AND DIELECTRIC MODELS OF HUMANS AND MONKEYS AT RADIO FREQUENCIES
2737+

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK.
2927

MASSUE, J. P.

INFLUENCE OF VARIOUS PHYSICAL FACTORS (MAGNETIC FIELDS) ON THE DEVELOPMENT OF ARTEMIA SALINA EGGS (IN FRENCH)
2143

MASSZI, G.

MICROWAVE METHOD FOR DETERMINING DIELECTRIC PARAMETERS OF LIVING BIOLOGICAL OBJECTS 1.
0034

MASTERSON, T. S.

THE PATHOPHYSIOLOGY OF ACUTE ELECTRIC INJURIES
2321

MASTRYUKOVA, V. M.

EFFECT OF A HIGH INTENSITY CONSTANT MAGNETIC FIELD ON PROLIFERATION OF EPITHELIAL CELLS IN THE MOUSE DUODENUM
0065+

MASUREIK, C.

PRELIMINARY CLINICAL EVALUATION OF THE EFFECT OF SMALL ELECTRICAL CURRENTS ON THE HEALING OF JAW FRACTURES
2780+

MATHESON, R. J.

INTERFERENCE AND COMPATIBILITY MONITORING AND MEASUREMENTS FOR UHF SATELLITE EARTH TERMINALS
3510

MATHEW, R.

VARIABLE FREQUENCY EXPOSURE SYSTEM FOR SMALL BIOLOGICAL SPECIMENS
1265

MATHEWSON, N. S.

EFFECT OF HIGH-POWER DENSITY MICROWAVE IRRADITION ON SOLUBLE PROTEINS OF THE RABBIT LENS.
0179

EXTREMELY LOW FREQUENCY VERTICAL, 45-HZ ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD AND WATER CONSUMPTION, BLOOD METABOLITE, HE-

MATOLOGICAL, AND PATHOLOGICAL CHANGES
0957+

EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMPTION AND BLOOD METABOLITE ALTERATIONS
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EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRADIATION FACILITY
1788+

EFFECTS OF 45 HZ ELECTRIC FIELD EXPOSURE ON RATS
2183+

MATISON, V. A.

INVESTIGATION OF THE EFFECT OF LOW-INTENSITY UHF EM WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUSSIAN)
1633

MATSEN, J. M.

MICROWAVE OVEN IRRADIATION AS A METHOD FOR BACTERIAL DECONTAMINATION IN A CLINICAL MICROBIOLOGY LABORATORY
2786

MATSKEVICH, V. S.

STUDY OF THE INACTIVATION OF VIRUS-CONTAINING WATER BY MEANS OF ELECTRICAL CURRENT (IN RUSSIAN)
2598

MATSNEV, E. I.

COMPARATIVE ASSESSMENT OF THE EFFICACY OF SEDUXEN AND CYCLODOL, AND THEIR COMBINATION WITH THE ELECTROPULSE ACTION FOR INCREASING THE RESISTANCE TO EXPERIMENTALLY
0101+

MATSUDA, S.

THE MEASUREMENT OF CAMP AND CGMP IN MICROWAVE IRRADIATED CHEST AND HEART MUSCLES (IN JAPAN)
0087

MATSUDAIRA, H.

TEST OF MAGNETIC SENSITIVITY IN THREE DIFFERENT BIOLOGICAL SYSTEMS.
0159

MATSUMOTO, G.

DYNAMIC CHARACTERISTICS OF CRAYFISH STRETCH RECEPTOR FOR MICROWAVE RADIATION (IN JAPANESE)
1948

MATSUMOTO, S.

TEST OF MAGNETIC SENSITIVITY IN THREE DIFFERENT BIOLOGICAL SYSTEMS.
0159

MATTHEWS, P. B.

EFFECTS OF FUSIMOTOR STIMULATION ON THE SENSITIVITY OF THE MUSCLE SPINDLE SECONDARY ENDING TO SMALL AMPLITUDE SINUSOIDAL STRETCH
2641

MATTSON, J. L.

EFFECT OF EM PULSE ON AVOIDANCE BEHAVIOR AND ELECTROENCEPHALOGRAM OF A RHESUS MONDEY
0999+

MATZ, J. E.

A PASSIVE ELECTRODELESS METHOD FOR DETERMINING THE INTERIOR FIELD OF BIOLOGICAL MATERIALS
1235

MAUPAS, P. H.

USE OF AN INDUSTRIAL PROTOTYPE MACHINE FOR DRYING AND STERILIZING PHARMACEUTICAL AMPOULES BY MICROWAVES AT 2.45 GHZ
1228

MAURER, D.

SURFACE ELECTRICAL STIMULATION (TRANSCUTANEOUS) FOR THE RELIEF OF PAIN
1677

MAXEY, E. S.

ELECTROMAGNETISM
0518+

CRITICAL ASPECTS OF HUMAN VERSUS TERRESTRIAL EM SYMBIOSIS
2173+

MAXWELL, G. M.

ELECTRICAL BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION
2403

MAY, J.

MICROWAVE IRRADIATION, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS
2347

MAY, J. G.

ABSENCE OF OCULAR PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES.
0174

MAYANAGI, Y.

THE POSTEROMEDIAL HYPOTHALAMUS AND PAIN, BEHAVIOR, WITH SPECIAL REFERENCE TO ENDOCRINOLOGICAL FINDINGS
3419+

MAYAULT, J.

COMPLEX FREQUENCY PERTURBATION OF A MICROWAVE CAVITY CONTAINING A LOSSY LIQUID
1802

MAYER, G. MAYER, G.

EFFECT OF MAGNETIC FIELDS COMBINED WITH EM WAVES ON
0866 TRYPANOSOMATIC ORCHITIS OF THE RABBIT TRYPANOSOMATIC ORCHITIS OF THE RABBIT
0866

MAYER, H.

RAISING OUR SIGHTS FOR ADVANCED SPACE SYSTEMS
3146

MAYER, J.

USE OF HIGH FREQUENCY EM WAVES IN THE STUDY OF THERMOGENESIS
1110

MAYER, R. J.

MICROWAVE HALL MOBILITY MEASUREMENTS ON HEAVY BEEF HEART MITOCHONDRIA
0684

MAYERS, C. P.

DEPRESSION OF PHAGOCYTOSIS: A NON-THERMAL EFFECT OF MICROWAVES RADIATION AS A POTENTIAL HAZARD TO HEALTH
2019+

MAZAEV, A. V.

IMMEDIATE EFFECT OF ELECTRIC CARDIOVERSION ON THE INDICES OF HEMODYNAMICS AND MYOCARDIUM CONTRACTILITY IN PATIENTS WITH AURICULAR FIBRILLATION (IN RUSSIAN)
1396

MAZUR, V. F.

DETERMINING INTRAVITAL CHARACTER AND TIME OF POSTMORTEM INJURY OF TISSUES AND ORGANS BY SUPERHIGH RADIOFREQUENCIES (IN RUSSIAN)
2074

MC LAUGHLIN, W. L.

MICROSCOPIC VISUALIZATION OF DOSE DISTRIBUTIONS.
3283+

MC REE, D. I.

DETERMINATION OF THE ABSORPTION OF MICROWAVE RADIATION BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWAVE FIELD
3091+

MCAFEE, R. D.

ABSENCE OF OCULAR PATHOLOGY AFTER REPEATED EXPOSURE OF UNANESTHETIZED MONKEYS TO 9.3 GHZ MICROWAVES.
0174+

ANNUAL PROGRESS REPT.-1958, INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION
0543

ANNUAL REPT., 1959: THE NEURAL EFFECTS OF MICROWAVE IRRADIATION
0610

THE EFFECT OF 2450 MHZ MICROWAVE IRRADIATION ON THE GROWTH OF MICE
0808+

SCREENING FOR CATARACTS AMONG VETERAN RADAR REPAIR AND MAINTENANCE TECHNICIANS
1066+

NEUROPHYSIOLOGICAL EFFECT OF 3-CM MICROWAVE RADIATION
1118+

NEURAL EFFECTS OF MICROWAVE RADIATION
1465

THE NEURAL AND HORMONAL RESPONSE TO MICROWAVE STIMULATION OF PERIPHERAL NERVES
1540+

REVIEW OF THE WORK CONDUCTED AT TULANE U.–INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION
1577

THERMISTOR PROBE ERROR IN AN X-BAND MICROWAVE FIELD
1818+

ANALEPTIC EFFECT OF MICROWAVE IRRADIATION ON EXPERIMENTAL ANIMALS
1850+

MICROWAVE IRRADIATION, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS
2347+

PHYSIOLOGICAL EFFECTS OF THERMODE AND MICROWAVE STIMULATION OF PERIPHERAL NERVES
2513+

MICROWAVE RADIATION IN RELATION TO BIOLOGICAL SYSTEMS AND NEURAL ACTIVITY 3603

MCARTHUR, G. R.

MICROWAVE RADIATION ALTERS PERISTALTIC ACTIVITY OF ISOLATED SEGMENTS OF RAT GUT 2748+

MCCAIN, H. B.

SOME EFFECTS OF CONTINUOUS AND PULSATING ELECTRIC FIELDS ON BRAIN WAVE ACTIVITY IN RATS 1010

MCCANDLESS, D. W.

THE EFFECT OF ELECTROSHOCK ON ENERGY METABOLISM IN CEREBELLAR LAYERS 2638+

MCCAULEY, T. M.

EHV AND UHV ELECTROSTATIC EFFECTS: SIMPLIFIED DESIGN CALCULATIONS AND PREVENTIVE MEASURES 3127+

MCCLEAVE, J. D.

PERCEPTION AND EFFECTS ON LOCOMOTOR ACTIVITY IN AMERICAN EELS AND ATLANTIC SALMON OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS 1783+

OCEANIC ELECTRIC FIELDS: PERCEPTION BY AMERICAN EELS? 1851

MCCLEOD, W.

SOME BIOCHEMICAL AND CYTOLOGICAL OBSERVATIONS ON THE EFFECT OF NONIONIZING (MICROWAVE) RADIATION 2331

MCCLINTOCK, M.

TALKING TO OURSELVES 2937+

MCCONNELL, D.

COMPUTATION OF PERSONNEL EXPOSURE IN MICROWAVE LEAKAGE FIELDS AND COMPARISON WITH PERSONNEL EXPOSURE STANDARDS 2392

MCCORMICK, F.

PILOT ECOLOGICAL FIELD SURVEYS 1750+

MCCOY, T. H.

USE OF 300-MSEC MICROWAVE IRRADIATION FOR ENZYME INACTIVATION: A STUDY OF EFFECTS OF SODIUM PENTOBARBITAL ON ACETYLCHOLINE CONCENTRATION IN MOUSE BRAIN REGIONS 1202

MCCUE, J. J.

A MILLIMETER-WAVE LUNAR RADAR 3455+

THE RESISTANCE OF BATS TO JAMMING 3504

MCCULLARS, G.

THE EFFECT OF 2450 MHZ MICROWAVE RADIATON ON LIVER ADENOSINE TRIPHOSPHATE (ATP) 0812

MCCULLOCH, D.

TECHNIQUES FOR UNIFORM AND REPLICABLE MICROWAVE HYPERTHERMIA OF A MODEL MOUSE CARCINOMA 0046

SIMULTANEOUS FAR-FIELD IRRADIATION OF MULTIPLE MOUSE TUMORS FOR MICROWAVE HYPERTHERMIA. 0322

MICROWAVE HEATING OF MALIGNANT MOUSE TUMORS AND TISSUE EQUIVALENT PHANTOM SYSTEMS 1116

A BOLUSING TECHNIQUE FOR BATCH MICROWAVE IRRADIATION OF TUMORS IN THE FAR FIELD 2453

MICROWAVE BOLUSING: A TECHNIQUE FOR IMPROVING HEATING UNIFORMITY FOR MICROWAVE HYPERTHERMIA 2528

MCDANIEL, J.

EFFECT OF THE MAGNETIC FIELD COMPONENT OF THE KRAUSLECHNER METHOD ON THE HEALING OF EXPERIMENTAL NONUNIONS IN DOGS. 0131

MCDONALD, B. M.

RF RADIATION HAZARDS 3480

MCDOUGALL, J. A.

ASSESSMENT OF THE EM FIELD COUPLING OF 915 MHZ OVEN LEAKAGE TO HUMAN SUBJECTS BY THERMOGRAPHIC STUDIES ON PHANTOM MODELS 1153

A NEW TECHNIQUE FOR MEASURING POWER DEPOSITION PATTERNS IN PHANTOMS EXPOSED TO EM FIELDS OF ARBITRARY POLARIZATION-- EXAMPLE, THE MICROWAVE OVEN 1192

CRITICAL COMPARISONS OF RF FIELD DELIVERY METHODS TO THERMAL RESPONSES OF MODELS AND EXPERIMENTAL ANIMALS 1687

RF RADIATION ABSORPTION PATTERNS: HUMAN AND ANIMAL MODELING DATA 2792

STUDIES ON THERAPEUTIC HEATING BY ELECTROMAGNETIC ENERGY. 3318

ANALYSES OF THERAPEUTIC HEATING DUE TO A GENERAL ELECTROMAGNETIC APERTURE SOURCE. 3326

MCDOWELL, M. V.

POWER VARIATIONS IN MICROWAVE EXPOSURE RESULTING FROM DIFFERENT SOURCE GASES 1221

MCELROY, A. J.

RATIONAL ANALYSIS OF ELECTRIC FIELDS IN LIVE LINE WORKING 0968

MCEUEN, A.

TEMPERATURE CONTROLLED CAVITY APPLICATOR FOR RADIOFREQUENCY WAVE IRRADIATION OF MAMMALIAN CELLS IN VITRO 0256+

MCGIBONEY, D. R.

THE PSYCHOLOGIC CONSEQUENCES OF EXPOSURE TO HIGH DENSITY PULSED EM ENERGY 2084

MCGINNESS, J.

THERMAL AND ELECTRONIC CONTRIBUTIONS TO SWITCHING IN MELANINS 1616

MCKAY, H. D.

EM SUSCEPTIBILITY OF HEART PACEMAKERS TEST RESULTS 2296

MCKEE, A.

ULTRASTRUCTURAL CHANGES IN THE RABBIT LENS INDUCED BY MICROWAVE RADIATION 1069

MCKEE, G.

ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 1372

MCKEE, G. W.

ECOLOGICAL INFLUENCE OF ELECTRIC FIELDS 2449

BIOLOGICAL EFFECTS OF HIGH-INTENSITY 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS AND ANIMALS 2791

ENVIRONMENTAL IMPACT OF 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS 2833+

MCKEE, L. G.

EM THAWING OF FROZEN GRANULOCYTES FOR TRANSFUSION 1005

MCKENNA, J. M.

THE INFLUENCE OF ELECTRICAL CURRENT ON AN INFECTING MICROORGANISM IN WOUNDS 2243

MCKERCHAR, W. D.

SAE COMMITTEE AE-4 ELECTROMAGNETIC SUSCEPTIBILITY TEST PROGRAM ON HEART PACEMAKERS 2272+

EM SUSCEPTIBILITY OF HEART PACEMAKERS TEST RESULTS 2296+

MCKINNEY, H.

CHANGES IN RATE OF GROWTH, AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS 2549

MCKINNON, J. A.

AUGUST 1972 SOLAR ACTIVITY AND RELATED GEOPHYSICAL EFFECTS 3008+

MCLAUGHLIN, J. T.

HEALTH HAZARDS FROM MICROWAVE RADIATION 0697+

MCLEAN, W. G.

THE EFFECTS OF MICROWAVE RADIATION ON MICROTUBULES AND AXONAL TRANSPORT 2064

MCLEES, B. D.

BIBLIOGRAPHY ON THE HAZARDS OF ARTIFICIAL CARDIAC PACEMAKER

EXPOSURE TO RADIO FREQUENCY FIELDS AND ELECTRIC SHOCK 0527+

AN EXAMINATION OF REGENERATING HEPATIC TISSUE FOLLOWING IN VIVO EXPOSURE TO R. F. RADIATION 0867+

AN EXAMINATION OF REGENERATING HEPATIC TISSUE SUBJECTED TO RADIO-FREQUENCY IRRADIATION 1270+

GAMMA GLOBULIN, ACETYLCHOLINESTERASE, AND CHYMOTRYPSIN FOLLOWING RADIOFREQUENCY IRRADIATION 1983

ANALYSIS OF REPORTED PHYSIOLOGIC EFFECTS OF MICROWAVE RADIATION 1985+

MCMAHON, J. H.

CAPABILITY OF THE FCC MOBILE MONITORING VAN 3148+

MCMANAWAY, M.

THE RELATION OF DOSE RATE OF MICROWAVE RADIATION TO THE TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MOUSE 0849

ANESTHESIA AS AN EFFECTIVE AGENT AGAINST THE PRODUCTION OF CONGENITAL ANOMALIES IN MOUSE FETUSES EXPOSED TO EMR 1615

COMPARISON OF IONIZING AND MICROWAVE RADIATIONS WITH RESPECT TO THEIR EFFECTS ON THE RODENT EMBRYO AND FETUS 2359

HEAT-DISSIPATION RATE OF MICE AFTER MICROWAVE IRRADIATION 2376

MCMILLAN, J. A.

A COMPARATIVE EVALUATION OF TEMPERATURE DISTRIBUTIONS PRODUCED BY MICROWAVES AT 2,456 AND 900 MEGACYCLES IN GEOMETRICALLY COMPLEX SPECIMENS. 3328

COMPARISON OF DEEP HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES 3544

TEMPERATURE DISTRIBUTIONS AS PRODUCED BY MICROWAVES IN SPECIMENS UNDER THERAPEUTIC CONDITIONS 3545

MCNELIS, D. D.

MICROWAVE IRRADIATION OF PLANT ROOTS IN SOIL 1785

MCNIVEN, D. R.

MICROWAVE THERAPY AND MUSCLE BLOOD FLOW IN MAN 1156+

MCQUITTY, D. W.

RF SUSCEPTIBILITY OF MICROELECTRONIC COMPONENTS 1197

MCREE, D. I.

EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS REPORT 0257+

SOVIET AND EASTERN EUROPEAN RESEARCH ON BIOLOGICAL EFFECTS OF MICROWAVE RADIATION. 0395+

DETERMINATION OF THE ABSORPTION OF MICROWAVE RADIATION BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWAVE FIELD 0744+

POTENTIAL MICROWAVE INJURIES IN CLINICAL MED. 1008+

SOME EFFECTS OF EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIATION 1088+

A PYROELECTRIC PROBE FOR MEASUREMENT OF MICROWAVE POWER DENSITY UNDER FAR-FIELD CONDITIONS 1102

INTERACTION OF A 2450-MHZ MICROWAVE FIELD WITH THERMOCOUPLES AND THERMISTORS 1194+

VARIABLE FREQUENCY EXPOSURE SYSTEM FOR SMALL BIOLOGICAL SPECIMENS 1265+

EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45 GHZ MICROWAVE RADIATION DURING THE SECOND DAY OF DEVELOPMENT 1321

MICROWAVE EXPOSURE SYSTEM FOR BIOLOGICAL SPECIMENS 1495+

THE TRANSMISSION OF REFLEXES IN THE SPINAL CORD OF CATS DURING DIRECT IRRADIATION WITH MICROWAVES 1639+

DETERMINATION OF ENERGY ABSORPTION OF MICROWAVE RADIATION USING THE COOLING CURVE TECHNIQUE 1820+

ENVIRONMENTAL ASPECTS OF MICROWAVE RADIATION 2138+

BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 2139+

EXPOSURE OF JAPANESE QUAIL EMBRYOS TO 2.45-GHZ MICROWAVE RADIATION DURING DEVELOPMENT 2547+

HUMORAL IMMUNITY OF JAPANESE QUAIL SUBJECTED TO MICROWAVE RADIATION DURING EMBRYOGENY 2589

VISIT TO USSR ON THE SUBJECT OF MICROWAVE RADIATION 2868+

DETERMINATION OF ENERGY ABSORPTION OF MICROWAVE RADIATION USING THE COOLING CURVE TECHNIQUE. 3256+

DETERMINATION OF THE ABSORPTION OF MICROWAVE RADIATION BY A BIOLOGICAL SPECIMEN IN A 2450 MHZ MICROWAVE FIELD. 3257+

MCTIGHE, A. H.

THE EFFECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE 2385

THE EFFECT OF CHRONIC, LOW-LEVEL MICROWAVE RADIATION ON THE TESTICLES OF MICE 2892

MCVICKERS, W. R.

RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, II. EFFECTS ON BLOOD CELLS AND BLOOD MINERALS. 0144

RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS. 0199

MCWHIRTER, K. G.

USE OF A BACTERIOPHAGE SYSTEM FOR INVESTIGATING THE BIOLOGICAL EFFECTS OF LOW INTENSITY PULSED MICROWAVE RADIATION 0790

MCWILLIAMS, S. N.

RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, II. EFFECTS ON BLOOD CELLS AND BLOOD MINERALS. 0144

RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS, I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS. 0199

MEAHL, H. R.

PROTECTIVE MEASURES FOR MICROWAVE RADIATION HAZARDS: 750 TO 30,000 MC 0530+

MECKE, R.

ELECTROCLIMATOLOGY (IN GERMAN) 1179

MEDA, E.

EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS ON THE PROPORTION OF THE DIFFERENT LEUCOCYTE TYPES 3128

EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTIVITY 3129

EXPERIMENTAL RESULTS FROM EXPOSURE OF ANIMALS TO AC ELECTRIC FIELD 3159+

MEDICI, R. G.

EFFECTS OF WEAK ELF ELECTRIC FIELDS ON SCHEDULE CONTROLLED BEHAVIOR OF MONKEYS 2162+

BEHAVIORAL PROTOCOLS AND PRELIMINARY OBSERVATIONS OF CHICKS EXPOSED TO WEAK AMPLITUDE MODULATED 450 MHZ FIELDS 2661+

MEDINA, M. A.

GROWTH AND DEVELOPMENT OF NEONATAL MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS 0743

THE LEVELS OF LABILE INTERMEDIARY METABOLITES IN MOUSE BRAIN FOLLOWING RAPID TISSUE FIXATION WITH MICROWAVE IRRADIATION 0810+

NEUROTRANSMITTER CONTENT OF MOUSE BRAIN AFTER INACTIVATION BY MICROWAVE HEATING 0902

NEUROCHEMICAL ALTERATIONS IN SPECIFIC BRAIN AREAS IN RODENTS EXPOSED TO HIGH INTENSITY FIELDS 1290

THE LEVELS OF GABA IN MOUSE BRAIN FOLLOWING TISSUE INACTIVATION BY MICROWAVE IRRADIATION 2053

THE EFFECTS OF 19 MEGACYCLE IRRADIATION ON MICE AND RATS 2181

LABILE INTERMEDIARY METABOLITES IN RAT BRAIN DETERMINED AFTER TISSUE INACTIVATION WITH MICROWAVE IRRADIATION 2596+

INFLUENCE OF INJECTED PSYCHOACTIVE DRUGS ON CYCLIC AMP LEVELS IN MOUSE BRAIN AND LUNG FOLLOWING MICROWAVE IRRADIATION 2769

MEDVEDEV, B. M.

EFFECT OF CONSTANT AND VARIABLE MAGNETIC FIELDS ON SOME INDICES OF PHYSIOLOGICAL FUNCTIONS AND METABOLIC PROCESSES IN WHITE RATS 2493

MEDVEDEV, V. P.

CARDIOVASCULAR DISEASES IN PERSONS WITH A HISTORY OF EXPOSURE TO THE EFFECT OF AN EM FIELD OF EXTRA-HIGH FREQUENCY (IN RUSSIAN WITH ENGLISH SUMMARY) 0591+

MEDVEDEVA, M. V.

CONDITIONED CONTROL OF CARDIAC ACTIVITY AND RESPIRATION, AND MORPHOLOGICAL CHANGES IN THE BRAIN OF PIGEONS UNDER THE ACTION OF A CONSTANT MAGNETIC FIELD 1308

MEEHAN, A. P.

ATTEMPTS TO INFLUENCE THE FEEDING BEHAVIOUR OF BROWN RATS USING ELECTROMAGNETISM. 0348

MEIJER, P. H.

FINITE ELEMENT-VARIATIONAL CALCULUS APPROACH TO THE DETERMINATION OF EM FIELDS IN IRREGULAR GEOMETRY 2197

MELAS, C.

DETECTION OF EMR FROM THE BRAIN 2312

MELEK, M.

FEASIBILITY OF FOCUSED MICROWAVE ARRAY SYSTEM FOR TUMOUR IRRADIATION. 0296

MELIK-GAYKAZYAN, Y. V.

COMPLEX REACTION OF LYMPHOID TISSUE TO INTERMITTENT MAGNETIC FIELDS 1997

MELKUMOVA, G. G.

RESEARCH ON THE ACTION OF SUPERHIGH-FREQUENCY EM WAVES ON EVOKED POTENTIALS OF AUDITORY CENTERS IN CONNECTION WITH PROSPECTS FOR USING INADEQUATE AUDITORY STIMULATION (EXPERIMENTAL RESEARCH) 1487

MELLON, R. R.

AN EFFECT OF SHORT ELECTRIC WAVES ON DIPHTHERIA TOXIN INDEPENDENT OF THE HEAT FACTOR 0531+

MELPAR, I.

EFFECTS OF R-F ENERGY ON BIOLOGICAL MACROMOLECULES. 3236+

BIOLOGICAL EFFECTS OF R-F ON MACROMOLECULES 3472+

MELTZER, R. J.

MICROWAVE-EVOKED BRAINSTEM POTENTIALS IN CATS 0371

MENDECKI, J.

THERAPEUTIC POTENTIAL OF CONFORMAL APPLICATORS FOR INDUCTION OF HYPERTHERMIA 0258+

MICROWAVE APPARATUS FOR THE TREATMENT OF CANCER. 0374

EFFECTS OF MICROWAVE-INDUCED LOCAL HYPERTHERMIA ON MAMMARY ADENOCARCINOMA IN C3H MICE 1238+

MICROWAVE-INDUCED HYPERTHERMIA IN CANCER TREATMENT: APPARATUS AND PRELIMINARY RESULTS 3418+

MENDELKI, J.

INDUCTION OF HYPERTHERMIA IN DEEP-SEATED TUMORS BY A SPECIAL MICROWAVE APPLICATOR 0335+

MENNIE, D.

MICROWAVE OVENS: WHAT'S COOKING? 0936+

MEOZ-MENDEZ, R. T.

THE EFFECTS ON CARDIAC PACEMAKERS OF IONIZING RADIATION AND ELECTROMAGNETIC INTERFERENCE FROM RADIOTHERAPY MACHINES 3417

MERCKEL, C.

MICROWAVE AND MAN: THE DIRECT AND INDIRECT HAZARDS, AND THE PRECAUTIONS 2140+

MEREWETHER, D. E.

TRANSIENT CURRENTS INDUCED ON A METALLIC BODY OF REVOLUTION BY AN ELECTROMAGNETIC PULSE 3175+

MERKHALEV, S. D.

THE ELECTRICAL STRENGTH OF LARGE AIR GAPS AND THE SELECTION OF LINE INSULATING CLEARANCES: THE SELECTION OF LINE INSULATION IN NORMAL AND POLLUTED CONDITIONS 3591

MERKLE, M. G.

PHYTOTOXICITY OF A UHF EM FIELD 1975

ULTRAHIGH-FREQUENCY EM FIELDS FOR WEED CONTROL: PHYTOTOXICITY AND SELECTIVITY 2134

MERRIAM, G. R.

LETTER OF COMMENT ON M. M. ZARET'S 'CATARACTS FOLLOWING USE OF MICROWAVE OVEN' 2654+

MERRITT, J. H.

STUDIES ON BLOOD BRAIN BARRIER PERMEABILITY AFTER MICROWAVE RADIATION 0021+

NEUROTRANSMITTER CONTENT OF MOUSE BRAIN AFTER INACTIVATION BY MICROWAVE HEATING 0902+

THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS 1779

THE EFFECT OF 1.6 GHZ RADIATION ON NEUROTRANSMITTERS IN DISCRETE AREAS OF THE RAT BRAIN 2169+

ORIENTATION EFFECTS ON MICROWAVE-INDUCED HYPERTHERMIA AND NEUROCHEMICAL CORRELATES 2800+

MESSENGER, R.

HUMAN PERCEPTION OF ILLUMINATION WITH PULSED UHF EM ENERGY 0479

METLAY, W.

EFFECT OF MICROWAVES ON THE RABBIT EYE 0675

ABSENCE OF HEART-RATE EFFECTS IN RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATION 0695

MICROWAVE AND INFRA-RED EFFECTS ON HEART RATE, RESPIRATION RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT 0921

EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE 2155

OCULAR EFFECTS OF 35 AND 107 GHZ CW MICROWAVES 2440

MEYER, M.

ELECTRICAL SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS 3428

MEYERHOFF, J. L.

COMPARISON OF MICROWAVE IRRADIATION AT 986 VERSUS 2450 MHZ FOR IN VIVO INACTIVATION OF BRAIN ENZYMES IN RATS 0085+

THE INACTIVATION OF RODENT BRAIN ENZYMES IN VIVO USING HIGH-INTENSITY MICROWAVE IRRADIATION. 0387+

A MICROWAVE APPLICATOR FOR IN VIVO RAPID INACTIVATION OF ENZYMES IN THE CENTRAL NERVOUS SYSTEM 1034

MEYERS, D. E.

DISCRIMINATIVE CONTROL OF APPETITIVE BEHAVIOR BY PULSED MICROWAVE RADIATION IN RATS 2164

MEYERSON, B. A.

PERCUTANEOUS CENTRAL GRAY STIMULATION FOR CANCER PAIN 3421+

MEZYKOWSKI, T.
INFLUENCE OF MICROWAVES ON GENETICAL PROCESSES OF ASPERGILLIUS NIDULANS 1140

MIALE, J.
EFFECT OF MICROWAVE RADIATION ON THE HEMOPOIETIC SYSTEM OF THE RAT 2005

MICHAELSON, S. M.
HEALTH AND SAFETY OF HIGH VOLTAGE TRANSMISSION LINES 0111+
BIOLOGIC AND PATHOPHYSIOLOGIC EFFECTS OF EXPOSURE TO MICROWAVES 0112+
OCCUPATIONAL HEALTH AND RADIATION HAZARDS. 0176+
MICROWAVES: EFFECT ON THERMOREGULATORY BEHAVIOR IN RATS 0358
ADVANCES IN MICROWAVE-INDUCED NEUROENDORCRINE EFFECTS: THE CONCEPT OF STRESS. 0396
EFFECTS OF HYPOPHYSECTOMY AND DEXAMETHASONE ON RAT ADRENAL RESPONSE TO MICROWAVES. 0430
REVIEW OF A PROGRAM TO ASSESS THE EFFECTS ON MAN FROM EXPOSURE TO MICROWAVES 0503+
COMPARATIVE STUDIES ON 1285 AND 2800 MC/SEC PULSED MICROWAVES 0532+
EFFECTS OF EMR ON PHYSIOLOGIC RESPONSES 0533+
HUMAN EXPOSURE TO NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AND SAFETY STANDARDS 0534+
THE MICROWAVE CONTROVERSY 0536
THYROID PATHOPHYSIOLOGY OF MICROWAVE RADIATION 0537
SAFETY OF MICROWAVE DEVICES 0583
RESPONSE OF THE DOG TO 24,000 AND 1285 MHZ MICROWAVE EXPOSURE 0617+
CUTANEOUS PERCEPTION OF MICROWAVES 0624+
SOVIET VIEWS ON THE BIOLOGICAL EFFECTS OF MICROWAVES--AN ANALYSIS 0701+
PATHOPHYSIOLOGICAL ASPECTS OF MICROWAVE IRRADIATION, PART 2: CRITICAL ANALYSIS OF THE LIT. 0702+
BIOMEDICAL ASPECTS OF MICROWAVE EXPOSURE 0703+
MICROWAVE CATARACTOGENESIS: A CRITICAL REVIEW OF THE LIT. 0707
BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0708
STANDARDS FOR PROTECTION OF PERSONNEL AGAINST NONIONIZING RADIATION 0795+
AN INTERNATIONAL PROGRAM FOR MICROWAVE EXPOSURE PROTECTION 0802+
COMPARATIVE BIOLOGY IN ASSESSMENT OF EM BIOEFFECTS 0823+
ARE YOUR WORKERS EXPOSED TO NON-IONIZING RADIANT ENERGY? 0828+
BIOLOGIC EFFECTS OF MICROWAVE EXPOSURE 0829+
TRANSIENT EFFECTS OF LOW-LEVEL MICROWAVE IRRADIATION ON BIOELECTRIC MUSCLE CELL PROPERTIES AND ON WATER PERMEABILITY AND ITS DISTRIBUTION 0874
BIOCHEMICAL AND NEUROENDOCRINE ASPECTS OF EXPOSURE TO MICROWAVES 1057+
MICROWAVE HAZARDS EVALUATION: CONCEPTS AND CRITERIA 1115+
THE TRI-SERVICE PROGRAM--A TRIBUTE TO GEORGE M. KNAUF, USAF (MC) 1117+
INFLUENCE OF 2450 MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO 1155+
MICROWAVE-INDUCED HYPERTHERMIA AS AN ADJUVANT TO CANCER THERAPY 1161
THE OCULAR LENS AND CATARACT 1170+
EFFECTS OF EXPOSURE TO MICROWAVES: PROBLEMS AND PERSPECTIVES 1299+
THERMAL EFFECTS OF SINGLE AND REPEATED EXPOSURES TO MICROWAVES--A REVIEW 1370+
BIOLOGICAL EFFECTS OF MICROWAVES ON THE HYPOTHALAMIC/ PITUITARY/THYROID AXIS 1374
SENSATION AND PERCEPTION OF MICROWAVE ENERGY 1376+
COMPARATIVE ASPECTS OF RADIOFREQUENCY AND MICROWAVE BIOMEDICAL RESEARCH 1400+
MICROWAVE HEATING EFFECT ON THE DOG THYROID GLAND 1429
ENVIRONMENTAL INFLUENCES ON CARDIAC PACEMAKER ACTIVITY 1432+
THERMAL REGULATION IN LONG-EVANS RATS EXPOSED TO 2450 MHZ MICROWAVE RADIATION 1433
METABOLIC AND THERMOREGULATORY RESPONSES TO MICROWAVE RADIATION IN YOUNG MALE RATS 1434
BIOLOGICAL EFFECTS OF MICROWAVE EXPOSURE 1525+
REVIEW OF THE WORK CONDUCTED AT THE U. OF ROCHESTER--THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION IN THE DOG 1575+
BIOLOGIC AND PATHOPHYSIOLOGIC EFFECTS OF EXPOSURE TO MICROWAVES OR ULTRASONIC ENERGY--AN OVERVIEW 1596+
PATHOPHYSIOLOGICAL ASPECTS OF EXPOSURE TO MICROWAVES 1597+
ENDOCRINE AND CENTRAL NERVOUS SYSTEM EFFECTS OF MICROWAVE EXPOSURE 1600+
PROTECTION GUIDES AND STANDARDS FOR MICROWAVE EXPOSURE 1603+
BIOLOGICAL EFFECTS AND EXPOSURE STANDARDS FOR NON-IONIZING EM ENERGIES 1658+
CRITICAL REVIEW OF THE BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS 1664
EVALUATION OF THE INTERNATIONAL SYMPOSIUM ON BIOLOGIC EFFECTS AND HEALTH HAZARDS OF MICROWAVE RADIATION--WARSAW, POLAND, 15-18 OCTOBER, 1973 1688+
RADIO-FREQUENCY AND MICROWAVE ENERGIES, MAGNETIC AND ELECTRIC FIELDS 2125+
PHYSIOLOGIC ADJUSTMENT TO MICROWAVE EXPOSURE 2349+
CENTRAL N ERVOUS SYSTEM RESPONSES TO MICROWAVE-INDUCED HEATING 2430+
LETTER OF COMMENT ON M. M. ZARET'S 'CATARACTS FOLLOWING USE OF MICROWAVE OVEN' 2652+
NEUROENDOCRINE RESPONSES IN THE RAT AND DOG EXPOSED TO 2450 MHZ (CW) MICROWAVES 2676+
THE INFLUENCE OF MICROWAVE EXPOSURE ON FUNCTIONAL MATURATION OF THE RAT 2706+
THE EFFECT OF REPEATED MICROWAVE EXPOSURE ON NEONATAL RATS 2744
THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450-MHZ MICROWAVES 2747
STIMULATION OF DOG THYROID BY LOCAL APPLICATION OF HIGH INTENSITY MICROWAVES 2824
THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450 MHZ MICROWAVES 2901
MICROWAVE BIOEFFECTS AND RADIATION SAFETY., M.A. STUCHLY, EDITOR. 2920
MICROWAVE EXPOSURE SAFETY STANDARDS--PHYSIOLOGIC AND PHILOSOPHIC ASPECTS 2992+
RADIATION HAZARDS (AGARD LECTURE SERIES NO. 78) 3149+
HUMAN EXPOSURE TO NONIONIZING RADIANT ENERGY--POTENTIAL HAZARDS AND SAFETY STANDARDS. 3217+

BIOMEDICAL ASPECTS OF MICROWAVE IRRADIATION OF MAMMALS 3604

MICHEALSON, S. M.

MICROWAVE HAZARDS EVALUATION 0561

PANEL DISCUSSION II: FUTURE NEEDS IN RESEARCH ON THE BIOLOGICAL EFFECTS OF MICROWAVE AND R. F. RADIATION 1551

NEUROENDOCRINE AND CARDIODYNAMIC RESPONSE OF THE DOG SUBJECTED TO CRANIAL EXPOSURE TO 2450 MHZ MICROWAVES 2445

THE EFFECT OF REPEATED MICROWAVE EXPOSURE IN NEONATAL RATS. 2885

MICHEL-BEYERLE, M. E.

ON THE MECHANISM OF MAGNETIC FIELD EFFECTS IN BACTERIAL PHOTOSYNTHESIS. 0151

MICKEY, G. H.

NON-THERMAL EFFECTS OF RADIO FREQUENCY IN BIOLOGICAL SYSTEMS 0492

CHROMOSOME BREAKAGE IN CULTURED CHINESE HAMSTER CELLS INDUCED BY RADIO-FREQUENCY TREATMENT 0535+

CROSSING-OVER IN MALES OF DORSOPHILA INDUCED BY RADIO FREQUENCY TREATMENT 0538+

NON-THERMAL HAZARDS OF EXPOSURE TO RADIO FREQUENCY FIELDS. MICROWAVE STUDIES 0967+

ELECTROMAGNETISM AND ITS EFFECT ON THE ORGANISM 2129+

RADIO-FREQUENCY TREATMENT FOR BREAKING DORMANCY AND CONTROLLING VIRUS INFECTIONS OF PLANTS. 3238+

MIGLIACCIO, G.

NONIONIZING RADIATION: BIOLOGICAL EFFECTS- HEALTH ASPECTS OF SAFETY. (IN ITAL.). 0177+

MIKA, T.

EM FIELDS, BY HENRYK MIKOLAJCZUK (BOOK REVIEW, IN POLISH) 1623+

MIKALACKI, K.

USE OF TRANSCUTANEOUS ELECTRICAL STIMULATION IN THE CONTROL OF POSTOPERATIVE PAIN 1926

MIKHALYUK, I. A.

EFFECTS OF SUPERHIGH FREQUENCY FIELDS OF DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MANGANESE, MOLYDENUM, AND NICKEL IN THE ORGANISM OF EXPERIMENTAL ANIMALS 1505

METABOLISM AND DISTRIBUTION OF IRON, COPPER, MOLYBDENUM, MANGANESE, AND NICKEL IN THE ORGANS OF A BODY EXPOSED TO INDUSTRIAL AND SUPERHIGH FREQUENCY EM FIELDS 2806

MIKOLAJCZYK, H.

WATER CONTENT (%) IN SOME TISSUES OF RATS TREATED WITH NEUROCHORMONES AND IRRADIATED IN MICROWAVE FIELD UNTIL THERMAL DEATH. (IN POLISH) 0354+

SURVIVAL PERIODS OF RATS INJECTED WITH ACETYLCHOLINE, EPINEPHRINE, HISTAMINE OR SEROTONIN AND EXPOSED TO ACUTE MICROWAVE IRRADIATION (IN POLISH) 0355+

MICROWAVE IRRADIATION AND ENDOCRINE FUNCTIONS 1275+

CURRENT RESEARCH RESULTS AND FUTURE EFFORTS ON THE PROBLEM OF THE BIOLOGICAL EFFECT OF MICROWAVE RADIATION IN THE DEPT. OF PHYSICAL INJURY AT THE INST. OF INDUSTRIAL MED. 1922+

MICROWAVE-INDUCED SHIFTS OF GONADOTROPIC ACTIVITY IN ANTERIOR PITUITARY GLAND OF RATS 2176+

MILCZAREK, H.

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART II: FUNCTIONAL DISTURBANCES 0797

MILD, K. H.

OCCUPATIONAL EXPOSURE TO RADIO-FREQUENCY ELECTROMAGNETIC FIELDS. 0405+

MILES, J.

PHANTOM LIMB PAIN TREATED BY ELECTRICAL STIMULATION 3420+

MILLER, B. F.

DESTRUCTION OF SALMONELLAE ON POULTRY MEAT WITH LYSOZYME, EDTA, X-RAY, MICROWAVE AND CHLORINE 1324

MILLER, C. J.

THE MEASUREMENT OF ELECTRIC FIELDS IN LIVE LINE WORKING 0970+

BODY CURRENTS IN LIVE LINE WORKING 0974

BODY CURRENTS IN LIVE LINE WORKING 3015

BODY CURRENTS MEASURED IN LIVE LINE WORK 3100

MILLER, D. A.

A PILOT STUDY OF THE INTERACTION OF EXTREMELY LOW FREQUENCY EM FIELDS WITH BRAIN ORGANELLES 0799

ELECTRIC AND MAGNETIC FIELDS PRODUCED BY COMMERCIAL POWER SYSTEMS 1665+

WORKSHOP ON SOURCES AND SAFE LEVELS OF ELECTRIC AND MAGNETIC FIELDS 1681

PILOT ECOLOGICAL FIELD SURVEYS 1750

SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS 1754

SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO 60 HZ MAGNETIC FIELDS 2271

PROJECT SANGUINE'S ENVIRONMENTAL COMPATIBILITY ASSURANCE PROGRAM 2275

CARDIAC PACEMAKER EMC IN PERSPECTIVE 2382+

CARDIAC PACEMAKER EMC IN PERSPECTIVE (SUMMARY) 3061+

MILLER, J. K.

EMPIRICAL STUDIES OF CARDIAC PACEMAKER INTERFERENCE 1019

MILLER, L. A.

FEDERAL/STATE RADIATION CONTROL LEGISLATION 1973 3095+

FEDERAL/STATE RADIATION CONTROL LEGISLATION 1974 3143+

MILLER, M. W.

EFFECTS OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 0863+

LACK OF EFFECT OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 1171+

EFFECT OF EXTREMELY LOW FREQUENCY EMR ON CHROMOSOMES 2550+

MILLER, P. J.

THE DETECTION OF RF DAMAGE TO HIGH MOLECULAR WEIGHT BIOPOLYMERS BY RAMAN SPECTROSCOPY 1609

MILLER, R. C.

PROSPECTS FOR HYPERTHERMIA IN HUMAN CANCER THERAPY, PART I: HYPERTHERMIC EFFECTS IN MAN AND SPONTANEOUS ANIMAL TUMORS 2063+

THE DIELECTRIC CONSTANT OF WATER AS A FUNCTION OF TEMPERATURE AND PRESSURE. 3200

EFFECTS OF INTERSITIAL IRRADIATION ALONE, OR COMBINATION WITH LOCALIZED HYPERTHERMIA ON THE RESPONSE OF A MOUSE MAMMARY TUMOR 3423+

MILLER, S. E.

OXIDANT MEASUREMENTS IN THE VICINITY OF ENERGIZED 765 KV LINES 3014

MILLS, A. H.

MEASUREMENT AND ANALYSIS OF RADIO FREQUENCY NOISE IN URBAN, SUBURBAN, AND RURAL AREAS 3611+

DEVELOPMENT OF PROBES AND MEASUREMENT TECHNIQUES FOR AUTOMATED INTERFERENCE MEASUREMENTS (3 TO 300 MEGAHERTZ) IN SHIELDED CHAMBERS 3619+

MILLS, L. F.

RADIATION INCIDENTS REGISTRY REPT. 1970 1296+

MILLS, W. A.

A PROGRAM TO STUDY THE EFFECTS OF MICROWAVE RADIATION ON VARIOUS BIOLOGICAL SYSTEMS 0704+

EFFECTS OF 2450 MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMSTERS 2507

CURRENT STUDIES ON THE EFFECTS OF MHZ-2450 RADIATION ON VARIOUS BIOLOGICAL SYSTEMS 2939+

NONIONIZING RADIATION IN THE ENVIRONMENT 2941+

BIOEFFECTS OF NON-IONIZING ELECTRONIC PRODUCT RADIATION 3183+

MILNER, C. E.

THE DIELECTRIC CONSTANT OF WATER AS A FUNCTION OF TEMPERATURE AND PRESSURE. 3200

MILNER, J.

THE EFFECTS OF MICROWAVE RADIATION, HYPERTHERMIA, AND L-ASCORBIC ACID ON EHRLICH ASCITES CARCINOMA CELL METABOLISM 0044

MILOSAVLJEVIC, D.

INFLUENCE OF ADENOSINE, CAMP AND DB-CAMP ON RESPONSES OF THE ISOLATED TERMINAL GUINEA-PIG ILEUM TO ELECTRICAL STIMULATION 1875

MILOUCHINE, V. N.

NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE 2889

MILROY, W. C.

THE MICROWAVE CONTROVERSY 0536+

THYROID PATHOPHYSIOLOGY OF MICROWAVE RADIATION 0537+

EM PULSE RADIATION: A POTENTIAL BIOLOGICAL HAZARD? 0611+

MICROWAVE CATARACTOGENESIS: A CRITICAL REVIEW OF THE LIT. 0707+

BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0708+

BIOMEDICAL ASPECTS OF NONIONIZING RADIATION: AN OVERVIEW OF THE NWL EFFORT 0827

THE EFFECTS OF HIGH POWER PULSED AND LOW LEVEL CW MICROWAVE RADIATION ON AN OPERANT BEHAVIOR IN RATS 1310

BIOMEDICAL ASPECTS OF NONIONIZING RADIATION 3096+

MINAYEV, V. V.

EFFECTS OF SHF FIELDS ON ENZYMATIC ACTIVITIES AND PYRIDOXINE LEVELS IN THE ORGANS OF WHITE RATS 1513+

MINEYEV, Y. V.

CHANGE IN IMPEDANCE OF THE NERVE STEM OF A FROG UNDER THE ACTION OF VISIBLE LIGHT 3443

MININ, B. A.

MICROWAVES AND HUMAN SAFETY, PART I 1640+

MICROWAVES AND HUMAN SAFETY, PART II 1641+

MINISTRY OF POWER ENGINEERING AND ELECTRIFICATION OF THE

STANDARDS AND REGULATIONS FOR THE PROTECTION OF LABOR DURING WORK ON SUBSTATIONS AND TRANSMISSION LINES AT VOLTAGES OF 400-, 500-, AND 750 KV ALTERNATING CURRENT AT INDUSTRIAL FREQUENCY 3077+

MINKH, A. A.

EFFECTS OF SUPERHIGH FREQUENCY FIELDS OF DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MANGANESE, MOLYDENUM, AND NICKEL IN THE ORGANISM OF EXPERIMENTAL ANIMALS 1505

MINTS, S. M.

EFFECT OF MICROWAVE EMISSION ON THE CONTENT OF IRON, COPPER, COBALT AND METALLIC PROTEINS BONDED WITH THEM IN ORGANS AND TISSUES OF TEST ANIMALS 1498+

ENGLISH ABSTRACT OF 'EFFECT OF EM OSCILLATIONS IN THE MICROWAVE RANGE ON THE IRON, COPPER, AND ALLIED METALLOPROTEIN CONCENTRATIONS IN BLOOD AND ORGANS (EXPERIMENTAL STUDY)' 2841+

MINTZ, M.

NEW TECHNIQUES FOR MICROWAVE RADIATION HAZARD MONITORING 0539+

MIRIMANOFF, A.

DIATHERMY IN OPHTHALMOLOGY (IN FRENCH) 1204+

MIRO, L.

REPT. ON THE MICROWAVE-PROTECTION OF BACTERIA EXPOSED TO GAMMA IRRADIATION 0995+

EFFECTS OF MICROWAVES ON THE CELL METABOLISM OF THE RETICULO-HISTOCYTIC SYSTEM 1280+

RECHERCHES SUR LES LESIONS VISCERALES OBSERVEES CHEZ DES SOURIS ET DES RATS EXPOSES AUX ONDES ULTRA-COURTES: ETUDE PARTICULIERE DES EFFETS DE CES ONDES SUR LA REPRODUCTION DE CES ANIMAUX. 2919+

MIROSHNICHENKO, F. D.

EFFECT OF CONSTANT MAGNETIC FIELDS ON MACROMOLECULES (IN RUSSIAN WITH ENGLISH SUMMARY) 1121+

MIROSHNICHENKO, L. I.

EFFECT OF EM FIELDS ON AIR IONIZATION (IN RUSSIAN) 1632+

MIROYEDOV, V. A.

REGIONAL LOCATION OF METEOROLOGICAL RADAR STATIONS 1439

DISTRIBUTION OF ULTRASHORT WAVE FIELDS IN THE VICINITIES OF URBAN TELEVISION CENTERS 1440

MIRUTENKO, V. I.

CHANGES IN THE MEMBRANE POTENTIAL OF NERVE CELLS OF ISOLATED GANGLIA IN THE MOLLUSK / PLANORBIS CORNEUS/ UNDER THE INFLUENCE OF A UHF EM FIELD 1500+

EFFECT OF SHF EM ENERGY AND OF CONSTANT MAGNETIC FIELD ON MUTAGENESIS IN THE PRESENCE OF ANTIBIOTICS (IN RUSSIAN) 2001

MISHCHENKO, L. I.

CHANGES IN METABOLISM OF NITROGENOUS SUBSTANCES IN ANIMAL NERVE TISSUE SUBJECTED TO AN EM FIELD OF UHF 0618+

MISHRA, R. K.

EFFECT OF MAGNETIC FIELD ON OSCILLATING BLOOD FLOW IN ARTERIES 0920

MISIK, S.

MICROWAVE METHOD FOR DETERMINING DIELECTRIC PARAMETERS OF LIVING BIOLOGICAL OBJECTS 1. 0034+

MITCHELL, D. S.

HYPERACTIVITY AND DISRUPTION OF OPERANT BEHAVIOR IN RATS AFTER MULTIPLE EXPOSURES TO MICROWAVE RADIATION 2763+

LONG-TERM EFFECTS OF 2.45-GHZ RADIATION ON THE ULTRASTRUCTURE OF THE CEREBRAL CORTEX AND ON HEMATOLOGIC PROFILES OF RATS 2766

MITCHELL, E. I.

TREATMENT OF NONUNION WITH CONSTANT DIRECT CURRENT 2783

MITCHELL, J. C.

MICROWAVE OVEN INTERFERENCE WITH CARDIAC PACEMAKERS 0552

EMC DESIGN EFFECTIVENESS IN ELECTRONIC MEDICAL PROSTHETIC DEVICES 0642+

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK 0878

EMPIRICAL STUDIES OF CARDIAC PACEMAKER INTERFERENCE 1019+

MEASURED EFFECTS OF SQUARE-WAVE MODULATED RF FIELDS (450 AND 3100 MHZ) ON CARDIAC PACEMAKERS 1289

A RADIOFREQUENCY RADIATION EXPOSURE APPARATUS 1292+

EMR: EFFECTS ON THE EYE 1599+

EM INTERFERENCE OF CARDIAC PACEMAKERS 1602+

THE BIOLOGICAL SIGNIFICANCE OF RADIOFREQUENCY RADIATION EMISSSION ON CARDIAC PACEMAKER PERFORMANCE
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CYTOLOGIC ASPECT OF RF RADIATION IN THE MONKEY
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CARDIAC PULSE GENERATORS AND EM INTERFERENCE
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THE BIOLOGICAL SIGNIFICANCE OF RADIOFREQUENCY RADIATION EMISSION ON CARDIAC PACEMAKER PERFORMANCE
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MITCHELL, J. T.

ELECTRIC FIELD EFFECTS IN SELECTED BIOLOGIC SYSTEMS
1053

ELECTROSTATIC FIELDS AND SECONDARY GLAUCOMA IN RATS
1112

MITCHELL, P.

EXTENSIONS OF TIME DOMAIN METROLOGY ABOVE 10 GHZ TO MATERIALS MEASUREMENTS
0037

MITCHELL, R. E.

EXPOSURE OF MAN TO MAGNETIC FIELDS ALTERNATING AT EXTREMELY LOW FREQUENCY
3102

MITTLER, S.

FAILURE OF 2- AND 10-METER RADIO WAVES TO INDUCE GENETIC DAMAGE IN DROSOPHILA MELANOGASTER
1168+

LOW FREQUENCY EMR AND GENETIC ABERRATIONS
1791+

FAILURE OF MAGNETISM TO INFLUENCE PRODUCTION OF X-RAY INDUCED SEX-LINKED RECESSIVE LETHALS
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ENVIRONMENTAL MUTAGEN SOCIETY 6TH ANNUAL MEETING, PROGRAM AND ABSTRACTS: NON-THERMAL RADIOWAVES AND GENETIC DAMAGE IN DROSOPHILA MELANOGASTER
3621+

MIZUMORI, S.

EFFECTS OF PRE-AND POST-NATAL EXPOSURES TO 918 MHZ MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVIOR IN RATS
2700

MIZUNO, K.

EFFECT OF AC ELECTRIC FIELD APPLICATION UPON HUMAN VISUAL THRESHOLD
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MIZUSHIMA, Y.

EFFECTS OF MAGNETIC FIELD ON INFLAMMATION
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MKRTCHYAN, S. L.

INFLUENCE OF ELECTROSTATIC FIELDS ON RESPIRATORY ENZYMES
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MOAN, J.

LOW-TEMPERATURE EXPERIMENTS IN RADIATION BIOPHYSICS (IN NORWEGIAN)
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MOAYER, M.

MORPHOLOGICAL CHANGES OF THE PLACENTA UNDER THE INFLUENCE OF SHORTWAVE IRRADIATION: EXPERIMENTAL INVESTIGATIONS ON ANIMALS
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MOCZULSKI, W.

DIAGNOSTIC AND FORENSIC PROBLEMS IN CASES OF SO-CALLED 'MICROWAVE NEUROSIS' (IN POLISH)
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MODAK, A.

GROWTH AND DEVELOPMENT OF NEONATAL MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS
0743

MODAK, A. T.

USE OF 300-MSEC MICROWAVE IRRADIATION FOR ENZYME INACTIVATION: A STUDY OF EFFECTS OF SODIUM PENTOBARBITAL ON ACETYLCHOLINE CONCENTRATION IN MOUSE BRAIN REGIONS
1202+

THE EFFECTS OF 19 MEGACYCLE IRRADIATION ON MICE AND RATS
2181

THE USE OF MICROWAVE HEATING TO INACTIVATE CHOLINESTERASE IN THE RAT BRAIN PRIOR TO ANALYSIS FOR ACETYLCHOLINE
2518

MODESTINO, A. J.

THE DETECTION OF RF DAMAGE TO HIGH MOLECULAR WEIGHT BIOPOLYMERS BY RAMAN SPECTROSCOPY
1609

MODIGH, K.

LONG-TERM EFFECTS OF ELECTROCONVULSIVE SHOCK THERAPY ON SYNTHESIS TURNOVER AND UPTAKE OF BRAIN MONOAMINES
1893+

MOE, K. E.

PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION IN RATS
2165+

MOGHISSI, A. A.

EFFECTS OF MICROWAVES ON OPTICAL ACTIVITY
1534

MOIDEL, R. A.

MATERIALS FOR SELECTIVE TISSUE HEATING IN A RADIOFREQUENCY EM FIELD FOR THE COMBINED CHEMOTHERMAL TREATMENT OF BRAIN TUMORS
1240+

MOLCHANOVA, N. S.

THE EFFECTS OF SUPERHIGH FREQUENCY EM FIELDS (SHF-EMF) ON THE BODY
1477+

MOLLER, P.

ELECTRIC SIGNALS AND SCHOOLING BEHAVIOR IN A WEAKLY ELECTRIC FISH, MARCUSENIUS CYPRINOIDES L. (MORMYRIFORMES)
1176+

MOLOKHIA, F.

MAGNETOCARDIOGRAPHY OF DIRECT CURRENTS: S-T SEGMENT AND BASELINE SHIFTS DURING EXPERIMENTAL MYOCARDIAL INFARCTION
2104

MOLOTCHNIKOFF, S.

SUPERIOR COLLICULUS CELL RESPONSES TO ELECTRICAL STIMULATION OF THE RETINA
2222+

MOLTENI, G.

RISKS AND DAMAGES DERIVED FROM OCCUPATIONAL EXPOSURE TO EM FIELDS
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MONAHAN, J. C.

MICROWAVE INDUCED AVOIDANCE BEHAVIOR IN THE MOUSE
2167+

FREE-OPERANT AVOIDANCE AND ESCAPE FROM MICROWAVE RADIATION
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MICROWAVE ABSORPTION AND TASTE AVERSION AS A FUNCTION OF 915 MHZ RADIATION
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THE EFFECT OF AMBIENT TEMPERATURE ON THE REDUCTION OF MICROWAVE ENERGY ABSORPTION BY MICE
2762+

MONAHAN, J. P.

TIME AND POWER THRESHOLDS FOR THE PRODUCTION OF LENS OPACITIES BY 12.3 CM. MICROWAVES
0664

MONAYENKOVA, A. M.

HEMODYNAMIC INDICES DURING THE ACTION OF SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS
2560+

MONCREIFF, W. F.

EXPERIMENTAL STUDIES IN DIATHERMY APPLIED TO THE EYE AND ORBIT A. THERMAL EFFECT OF DIATHERMY.
3365+

MONETA, J.

EFFECTS OF MICROWAVE IRRADIATION IN VITRO ON CELL MEMBRANE PERMEABILITY
1256

MONOYLOV, V. Y.

POSSIBILITY OF USING EMR'S OF THE MILLIMETER WAVELENGTH TO INTENSIFY THE BIOLOGICAL PROPERTIES OF BLOOD PROTEINS
2346

MONTET, J.

A COMPARISON OF THERMAL AND RADIO-FREQUENCY EXPOSURE EF-

FECTS ON TRACE METAL CONTENT OF BLOOD PLASMA AND LIVER CELL FRACTIONS OF RODENTS
1079

MONTGOMERY, J.
EFFECTS OF MICROWAVES ON THE METABOLIC TIME CLOCKS OF NORMAL AND TUMOUR CELLS: A LASER-RAMAN STUDY.
3264

MONTGOMERY, J. C.
THE EFFECTS OF PULSED, HIGH-FREQUENCY RADIO WAVES ON THE RATE OF OSTEOGENESIS IN THE HEALING OF EXTRACTION WOUNDS IN DOGS
0993

MOORE, F. R.
GEOMAGNETIC DISTURBANCE AND THE ORIENTATION OF NOCTURNALLY MIGRATING BIRDS
1979+

MOORE, H. A.
LOW INTENSITY MICROWAVE RADIATION AND THE VIRULENCE OF AGROBACTERIUM TUMEFACIENS STRAIN B6
0022+

MOORE, K.
EM SUSCEPTIBILITY OF HEART PACEMAKERS TEST RESULTS
2296

MOORE, R. A. FOR USE IN BIOLOGICAL DIELECTRICS.
0168

A MICROWAVE DECOUPLED ELECTRODE FOR THE ELECTROENCEPHALOGRAM
0728

A MICROWAVE DECOUPLED BRAIN-TEMPERATURE TRANSDUCER
0809

AN RF DECOUPLED ELECTRODE FOR MEASUREMENT OF BRAIN TEMPERATURE DURING MICROWAVE EXPOSURE
2383

MOORE, R. L.
REPT. OF PRELIMINARY MEASUREMENTS OF EM RADIATION FIELDS NEAR MICROWAVE OVENS
0571

A COMPARISON OF MICROWAVE DETECTION INSTRUMENTS
0776+

INVESTIGATION OF THE RESPONSE OF THE MICROLITE 287 PROBE TO MICROWAVE FIELDS, BRH/DEP 70-20
3033

LABORATORY TESTING AND EVALUATION OF MICROWAVE OVENS, BRH/DEP 70-25 ,
3034

MICROWAVE OVEN TEST LOAD EVALUATION OF INTERAL MICROWAVE ENERGY DISTRIBUTION.
3282

MOORE, R. T.
EFFECTS OF 2450 MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMSTERS
2507

MOORE, T. M.
A STUDY TO DETERMINE THE NECESSITY FOR THE DEVELOPMENT OF STANDARDS FOR THE USE OF SELECTED NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES
0756

A STUDY TO DETERMINE THE NECESSITY FOR USE OF SELECTED NONMEDICAL ELECTRONIC PRODUCTS FOR COMMERCIAL AND INDUSTRIAL PURPOSES, BRH/DEP 70-30
3037

MOORE, W.
BIOLOGICAL ASPECTS OF MICROWAVE RADIATION: A REVIEW OF HAZARDS
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MOPSIK, F. I.
DIELECTRIC CONSTANT + LOSS.
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MOREL, C.
PROTECTION AFFORDED BY THE METAL CAPSULE OF PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENCH)
2588

MORELLI, L.
EVIDENCE OF MORPHOLOGICAL AND PHYSIOLOGICAL TRANSFORMATION OF MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS
0660

MORESSI, W. J.
MORTALITY PATTERNS OF MOUSE SARCOMA 180 CELLS RESULTING FROM DIRECT HEALTH AND CHRONIC MICROWAVE IRRADIATION
3468+

MORGAN, K. Z.
NON-IONIZING RADIATION PROTECTION TRAINING MANUAL FOR RADIATION CONTROL. LECTURES, DEMONSTRATIONS, LABORATORIES AND TOURS ON THE COURSE ON NON-IONIZING RADIATIONS
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MORGAN, M.
EHV ELECTRIC FIELDS: THE NEW RADIATION SCARE.
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EHV ELECTRIC FIELDS: THE NEW RADIATION SCARE
3609+

MORGAN, R. J.
THE EFFECT OF MICROWAVE ON Y-MAZE LEARNING IN THE WHITE RAT
3503

MORI, L. H.
CYTOLOGIC ASPECT OF RF RADIATION IN THE MONKEY
2030

MORISHIMA, H. O.
INCREASED UTERINE ACTIVITY AND FETAL DETERIORATION DURING MATERNAL HYPERTHERMIA
2866+

MORITA, M.
THE MEASUREMENT OF CAMP AND CGMP IN MICROWAVE IRRADIATED CHEST AND HEART MUSCLES (IN JAPAN)
0087

MOROJI, T.
RAPID MICROWAVE FIXATION OF RAT BRAIN
0040+

MORONEY, W. F.
THE EFFECT OF EXTREMELY LOW FREQUENCY MAGNETIC FIELDS ON HUMAN PERFORMANCE: A PRELIMINARY STUDY
1322

MOROSON, H.
HYPERTHERMIA: HEALING AND HAZARD IN TUMOR BEARING RATS
2649+

MOROZ, V. V.
MECHANISM OF REACTION OF THE HYPOPHYSEO-ADRENAL SYSTEM ON STRESS ACTION OF THE ALTERNATING MAGNETIC FIELD (IN RUSSIAN)
2077

MOROZOV, Y. A.
DEVICE FOR THE MEASUREMENT OF INDUSTRIAL FREQUENCY ELECTRIC FIELD INTENSITY
1935+

INFLUENCE OF THE ELECTRIC FIELD IN 500 AND 750 KV SWITCHYARDS ON MAINTENANCE STAFF AND MEANS FOR ITS PROTECTION
3076

MORRIS, M. E.
AN APPROACH TO BIOLOGICAL RESPONSE TO MICROWAVES: A PRELIMINARY THERMAL VERSUS NON-THERMAL EXPERIMENT
0694

ON THE INTERDEPENDENCE OF THERMAL AND EM EFFECTS IN THE RESPONSE OF BACILLUS SUBTILIS SPORES TO MICROWAVE EXPOSURE
2407

MORRISON, W. C.
AN EXPLORATION OF THE EFFECTS OF STRONG RADIO-FREQUENCY FIELDS ON MICRO-ORGANISMS IN AQUEOUS SOLUTIONS
0529

MORTON, D. L.
NORMAL TISSUE & SOLID TUMOR EFFECTS OF HYPERTHERMIA IN ANIMAL MODELS AND CLINICAL TRIALS.
0190

MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS
0807

MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS.
3262

MOSCHETTO, Y.
MICROWAVE RADIOMETRY: ITS POSSIBLE BIOMEDICAL APPLICATION
0332

A MODIFIED RADIOMETER FOR TEMPERATURE AND MICROWAVE PROPERTIES MEASUREMENTS OF BIOLOGICAL SUBSTANCES
2410

MOSE, J. R.
THE DEVELOPMENT OF METHYLCHOLANTHRENE-INDUCED TUMORS IN MICE UNDER THE ENVIRONMENTAL INFLUENCE OF VARIOUS ELECTROBIOCLIMATOLOGICAL CONDITIONS (IN GERMAN)
2702+

MOSLAK, T.
HAZARDS OF HIGH FREQUENCY RADIATION
1001+

MOSS, A. J.
ENVIRONMENTAL INFLUENCES ON CARDIAC PACEMAKER ACTIVITY
1432

MOSSMAN, D. L.
RADIO AND MICROWAVE RADIATION AND EXPERIMENTAL ATHEROSCLEROSIS
0678

MOTHIRON, J. C.
USE OF AN INDUSTRIAL PROTOTYPE MACHINE FOR DRYING AND STERILIZING PHARMACEUTICAL AMPOULES BY MICROWAVES AT 2.45 GHZ
1228+

MOUSAVINEZHAD, S.
RESPONSE OF INSULATED ELECTRIC FIELD PROBES IN FINITE HETEROGENEOUS BIOLOGICAL BODIES
0051+

MOYEN, B. J.
DIFFERENTIAL RESPONSE TO ELECTRICAL STIMULATION: A DISTINCTION BETWEEN INDUCED OSTEOGENESIS IN INTACT TIBIAE AND THE EFFECT ON FRESH FRACTURE DEFECTS IN RADII
2773

MROZ-WASILEWSKA, Z.
STUDIES ON THE EFFECT OF MICROWAVES EMITTED BY RADAR DEVICES ON THE TESTICLES AND EPIDIDYMIDES OF RABBIT, COMMUNICATION I
2502

MUC, A. M.
A PROPOSAL FOR A MICROWAVE RADIATION WARNING SIGN
1698

THERMAL AND ATHERMAL EFFECTS OF 2.8 GHZ MICROWAVES ON THREE HUMAN SERUM ENZYMES
1815

THERMAL AND ATHERMAL EFFECTS OF MICROWAVE RADIATION ON THE ACTIVITY OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN HUMAN BLOOD
1982

MUFSON, R. A.
MICROWAVE IRRADIATION: A NEW RAPID TECHNIQUE FOR SEPARATING EPIDERMAL TISSUE FROM MOUSE SKIN PRESERVING RNA, DNA, PROTEIN, AND PHORBOL ESTER-INDUCED ORNITHINE DECARBOXYLASE LEVELS
2825+

MUIR, H.
ELECTRIC BIREFRINGENCE STUDIES OF CARTILAGE PROTEOGLYCAN AGGREGATION
2399

MUIR, T. C.
EFFECT OF ELECTRICAL STIMULATION OF THE AUTONOMIC NERVE SUPPLY ON THE CONCENTRATION OF GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE AND THE ACTIVITY OF GUANYLATE CYCLASE IN RAT SALIVARY GLANDS AND THEIR RELATIONSHIP TO THE INDUCTION OF GROWTH
1699

MUKHARSKIY, M. S.
HYGIENIC EVALUATIONS OF THE MEDIUM WAVE RANGE EM FIELD IN CONDITIONS OF POPULATED AREAS
1509+

MUKHORTOVA, O. M.
THE INFLUENCE OF A CONSTANT MAGNETIC FIELD ON THE CONCENTRATION OF FREE RADICALS IN THE ORGANS AND TISSUES OF MICE
2488

MULDER, J. B.
ANIMAL BEHAVIOR AND EM ENERGY WAVES
0709+

MULHOLLAND, J. E.
MICROWAVE RADIATION INSTRUMENTATION.
0178+

MULLER, R.
PHYSICAL TREATMENT METHODS IN CHRONIC DISEASES OF VEINS
0259+

EINWIRKUNG ELEKTRISCHER WELLEN AUF KOLLOIDE
3487

MULLER, U.
INVESTIGATION OF AN ASSUMED SYNERGISTIC EFFECT OF RADIO FREQUENCY RADIATION AND IONIZING RADIATION ON THE HUMAN ORGANISM
0228

MULYNDINA, G. I.
EFFECT OF UHF ELECTRICAL FIELD ON THE BLOOD CLOTTING SYSTEM IN ANIMALS (IN RUSSIAN)
2226

MUMFORD, W.
TECHNIQUES + INSTRUMENTATION FOR THE MEAS OF RF POWER DENSITIES ASSOCIATED WITH RADIATION HAZARDS.
3305+

MUMFORD, W. W.
SOME TECHNICAL ASPECTS OF MICROWAVE RADIATION HAZARDS
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HEAT STRESS DUE TO R. F. RADIATION
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THE DESCRIPTION OF A SYSTEM TO IRRADIATE CELLS IN CULTURE WITH MICROWAVES
2673

MURACA, G. J.
A STUDY OF THE EFFECTS OF MICROWAVE IRRADIATION OF THE RAT TESTES
2185+

MURASHOV, B. F.
ADRENOCORTICOTROPIC ACTIVITY OF THE HYPOPHYSIS UNDER THE EFFECT OF UHF-FIELD (IN RUSSIAN)
1637+

THE DISRUPTION OF THE ENDOCRINE SYSTEM UNDER THE CHRONIC EFFECT OF A SUPERHIGH FREQUENCY FIELD
1938

MURATOV, V. I.
CARDIOVASCULAR CHANGES RESULTING FROM CHRONIC EXPOSURE TO AN ULTRAHIGH-FREQUENCY FIELD
1939+

MURAVEJKO, V. M.
EVIDENCE THAT GEOMAGNETIC VARIATIONS CAN BE DETECTED BY LORENZINIAN AMPULLAE.
0404

MURAWSKI, B. J.
A CASE OF PROLONGED, REVERSIBLE DEMENTIA ASSOCIATED WITH ABUSE OF ELECTROCONVULSIVE THERAPY
1311

MUROFF, L. R.
PROLONGATION OF LIFE DURING HIGH-INTENSITY MICROWAVE EXPOSURES
0715

MURPHY, E.
INTEGRATING MILLIAMPERE-SECONDS METER. (FDA) 73-8004, BRH/DEP N73-1
3043

MURPHY, J. R.
THERMAL CONDUCTIVITY MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL FLUIDS AND TISSUES
3542

MURRAY, W. E.
MEASUREMENT OF ELECTRIC- AND MAGNETIC-FIELD STRENGTHS FROM INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALERS.
0402

MEASUREMENT OF ELECTRIC AND MAGNETIC FIELD STRENGTHS FROM INDUSTRIAL RADIOFREQUENCY (15-40.68 MHZ) POWER SOURCES
2210

MUSIL, J.
RADIO AND TELEVISION TRANSMITTERS AND LIVING ENVIRONMENT
0086+

SOME CURRENT RESEARCH TRENDS ON THE BIOLOGIC EFFECTS OF ELECTROMAGNETIC WAVES. (IN LZE)
0334+

ON MEASUREMENTS OF THE EM FIELDS FOR HYGIENIC PURPOSES
2062+

ELECTROMAGNETIC FIELDS AND THE LIFE ENVIRONMENT
2249

ELECTROMAGNETIC FIELD AND THE LIVING ENVIRONMENT
3481

MUSTL, J.
POSSIBLE INFLUENCE OF ELECTROMAGNETIC FIELDS ON THE FUNCTION OF PACEMAKERS. (IN CZE)
0356+

MUTHUKRISHNAN, S.
EXPOSURE OF DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS
2180

MUTSCHALL, V.
RESPONSE OF THE NERVOUS SYSTEM TO MICROWAVE RADIATION
2484+

MUZYCHUK, N. T.
STUDY OF THE INACTIVATION OF VIRUS-CONTAINING WATER BY MEANS OF ELECTRICAL CURRENT (IN RUSSIAN)
2598+

MYASNIKOV, A. P.
COMBINED EFFECT OF ULTRAHIGH-FREQUENCY RADIATION AND HYPEROXIA ON ANIMALS
2826+

MYERS, D. E.
PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF CHRONIC LOW LEVEL MICROWAVE RADIATION IN RATS
2165

EFFECTS OF PRE-AND POST-NATAL EXPOSURES TO 918 MHZ MICROWAVE RADIATION ON DEVELOPMENT AND BEHAVIOR IN RATS
2700

IRRADIATION OF RATS BY 918-MHZ MICROWAVES AT 2.5 MW/CM SQUARED: DELINEATING THE DOSE-RESPONSE RELATIONSHIP 2746

IRRADIATION OF RATS BY LOW LEVEL 918 MHZ MICROWAVES: DELINEATING THE DOSE-RESPONSE RELATIONSHIP. 2911+

MYERS, P. C.

MICROWAVE THERMOGRAPHY: APPLICATION TO THE DETECTION OF BREAST CANCER, 2:375-385, 1978 0066

MICROWAVE THERMOGRAPHY: PRINCIPLES, METHODS AND CLINICAL APPLICATIONS. 0261+

DETECTION OF BREAST CANCER BY MICROWAVE RADIOMETRY 2750

MYKHALYUK, I. A.

INFLUENCE OF AN ELECTRIC FIELD OF COMMERCIAL FREQUENCY AND DIFFERENT INTENSITY ON THE BALANCE AND METABOLISM OF COPPER, MOLYBDENUM AND IRON IN THE ORGANISMS OF LABORATORY ANIMALS 2808

MYKHAYLOVSKIY, V. M.

HUMAN SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS 2485+

MYKOLAJEWYCZ, R.

DIELECTRIC STUDIES ON BIOPOLYMERS AND LIQUID STRUCTURE (I) 1904

MYMIN, D.

INHIBITION OF DEMAND PACEMAKERS BY SKELETAL MUSCLE POTENTIALS 2839+

MYSHECHKIN, I. F.

ELECTRIC IMPULSE THERAPY OF IMPOTENCE (IN RUSSIAN) 2862

N

N'GUYEN, D.D.

SIMULTANEOUS MICROWAVE LOCAL HEATING AND MICROWAVE THERMOGRAPHY: POSSIBLE CLINICAL APPLICATIONS 0264+

NACKEN, G.

AN ELECTRONIC METHOD FOR MEASURING THE HEART FREQUENCY OF THE WATERFLEA: DAPHNIA PULEX 1720

NAD', F. Y.

DETECTION OF MILLIMETER AND SUBMILLIMETER EMISSION BY MEANS OF JOSEPHSON JUNCTIONS 2314

NADASI, M.

INHIBITION OF EXPERIMENTAL ARTHRITIS BY ATHERMIC PULSATING SHORT WAVES IN RATS 1827+

NAGADA, J.

THE MEASUREMENT OF CAMP AND CGMP IN MICROWAVE IRRADIATED CHEST AND HEART MUSCLES (IN JAPAN) 0087+

NAHAS, G. G.

EFFECTS IN RODENTS OF A 1-MONTH EXPOSURE TO MAGNETIC FIELDS (200-1200 GAUSS) 1109+

NAKAGAWA, M.

CARDIOVASCULAR CHANGES IN RABBITS EXPOSED TO A STATIC MAGNETIC FIELD OF 600 OE (IN JAPANESE) 0020+

NAKHIL'NITSKAYA, Z. N.

BIOLOGICAL EFFECT OF PERMANENT MAGNETIC FIELDS 1594+

NATARAJAN, K.

IMPACT OF RADAR IRRADIATION ON HUMAN SYSTEMS 0857+

NAVAKATIKYAN, M. I.

DYNAMICS OF CHANGES IN AN ORGANISM'S BEHAVIORAL REACTIONS INDUCED BY MICROWAVE RADIATION. 0433

NEALEIGH, R. C.

EFFECTS OF MICROWAVE EXPOSURES ON THE CENTRAL NERVOUS SYSTEM OF BEAGLES 2510

THE EFFECT OF MICROWAVE ON Y-MAZE LEARNING IN THE WHITE RAT 3503+

NEDBAILO, F. P.

CLINICAL FEATURES OF THE EFFECT OF ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING. 0210

NEDBAYLO, Y. P.

CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS 0627

NEEL, H. B.

COMPARISON OF ENDOSCOPIC CRYOSURGERY AND ELECTROCOAGULATION OF BRONCHI 2856

NEELAKANTASWAMY, P. S.

A NON-INVASIVE, PARTIAL-BODY EXPOSURE METHOD FOR MEASURING THE COMPLEX PERMITTIVITY OF BIOLOGICAL SUBSTANCES AT MICROWAVE FREQUENCIES 0088+

MICROWAVE-INDUCED HAZARDOUS NONLINEAR THERMOELASTIC VIBRATIONS OF THE OCULAR LENS IN THE HUMAN EYE 0114+

MICROWAVE INTERFERENCE WITH THE FUNCTION OF AN IMPLANTED CARDIAC PACEMAKER 0260+

MICROWAVE-INDUCED INJURIOUS EFFECTS ON THE HUMAN- EMBRYO IN UTERO 3422+

NEIDLINGER, R. W.

MICROWAVE CATARACT 1863+

NEIL, E.

REGULATION OF BODY TEMPERATURE IN MAN. 2914

NEJELSKI, L. L.

THE BEHAVIOR OF UNICELLULAR ORGANISMS IN AN EM FIELD 1729

NELISSEN, R. G.

AN ELECTRONIC METHOD FOR MEASURING THE HEART FREQUENCY OF THE WATERFLEA: DAPHNIA PULEX 1720

NELSON, A.

FOUR YEARS OF MICROWAVES IN CANCER THERAPY. 0421

NELSON, A. J.

THE PROBLEM OF CLINICAL HYPERTHERMIA 2551+

NELSON, C. B.

THE DIPOLE/SLOT RADIATION PATTERN AND ITS USE IN UNDERSTANDING MICROWAVE LEAKAGE AND SURVEY TECHNIQUES 0773

NELSON, D. B.

EFFECTS OF ELECTROMAGNETIC PULSE (EMP) ON A POWER SYSTEM 3074

TRANSIENT RESPONSE OF LOW FREQUENCY VERTICAL ANTENNAS TO HIGH ALTITUDE NUCLEAR ELECTROMAGNETIC PULSE (EMP) 3098

NELSON, J. C.

BIOLOGICAL EFFECTS OF RADIO FREQUENCY WAVES 0309

RF PULSE SPECTRAL MEASUREMENTS IN THE VICINITY OF SEVERAL AIR TRAFFIC CONTROL RADARS 0629

CALCULATED FIELD INTENSITIES NEAR A HIGH POWER UHF BROADCAST INSTALLATION 0754

MICROWAVE HAZARD MEASUREMENTS NEAR VARIOUS AIRCRAFT RADARS 0779

AN AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSITIES II 1717

AN EXAMINATION OF ELECTRIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES 2609

NELSON, N. S.

A REVIEW OF RADIUM TOXICITY STUDIES 3112

NELSON, R. E.

ELECTRICAL PARAMETERS OF PRECISION COAXIL, AIR DIELECTRIC TRANSMISSION LINES 3530+

NELSON, S. O.

POSSIBILITIES FOR CONTROLLING INSECTS WITH MICROWAVES AND LOWER FREQUENCY RF ENERGY 0791+

MICROWAVE DIELECTRIC PROPERTIES OF INSECTS AND GRAIN KERNELS 0840+

USE OF MICROWAVE AND LOWER FREQUENCY RF ENERGY FOR IMPROVING ALFALFA SEED GERMINATION
0848+

MORTALITY AND INTERNAL HEATING IN RADIOFREQUENCY-TREATED LARVAE OF TENEBRIO MOLITOR
0962

MORPHOLOGICAL ABNORMALITIES RESULTING FROM RADIOFREQUENCY TREATMENT OF LARVAE OF TENEBRIO MOLITOR
0964

STORED-GRAIN INSECT CONTROL STUDIES WITH RADIO-FREQUENCY ENERGY
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RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED GRAIN INSECT CONTROL
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INSECT-CONTROL POSSIBILITIES OF EM ENERGY
0979+

INSECT-CONTROL STUDIES WITH MICROWAVES AND OTHER RADIOFREQUENCY ENERGY
0980+

FREQUENCY DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC FIELDS
0981+

EM AND SONIC ENERGY FOR PEST CONTROL
0982+

FACTORS INFLUENCING EFFECTIVENESS OF RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED-GRAIN INSECT CONTROL
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RADIATION PROCESSING IN AGRICULTURE
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LETHAL EFFECTS OF RADIOFREQUENCY ENERGY ON EGGS OF TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE)
0985

AGRICULTURAL MICROWAVE APPLICATIONS RESEARCH
1193+

SPERMATOZOAN ACTIVITY AND INSEMINATION IN TENEBRIO MOLITOR FOLLOWING RADIOFREQUENCY ELECTRICAL TREATMENT (COLEOPTERA: TENEBRIONIDAE)
1927

MORPHOLOGICAL CHANGES IN ADULT TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) RESULTING FROM RADIOFREQUENCY OR HEAT TREATMENT OF LARVAE OR PUPAE
1976

INSECT-CONTROL POSSIBILITIES USING MICROWAVES AND LOWER FREQUENCY RF ENERGY
2285+

EFFECTS OF RADIO-FREQUENCY IRRADIATION ON THE ENZYMES OF BEEF MUSCLE TISSUE
2561+

DIELECTRIC PROPERTIES OF MATERIALS FOR MICROWAVE PROCESSING-TABULATED
3259

FREQUENCY DEPENDENCE OF ENERGY ABSORPTION BY INSECTS AND GRAIN IN ELECTRIC FIELDS
3559+

NELSON, S. R.

EFFECTS OF MICROWAVE IRRADIATION ON ENZYMES AND METABOLITES IN MOUSE BRAIN
2466+

NELSON, W.

CIRCADIAN RHYTHMS IN PLANTS, INSECTS AND MAMMALS EXPOSED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENTS
1781

NELSON, W. H.

LACK OF MICROBIAL GENETIC RESPONSE TO 2.45-GHZ CW AND 8.5 TO 9.6-GHZ PULSED MICROWAVES
0366

NESTEROVA, V. P.

USE OF SINUS-MODULATED CURRENTS AND ULTRASOUND IN OBLITERATIVE DISEASES OF THE LOWER LIMBS (IN RUSSIAN)
2707+

NEUBAUER, R.

STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES
1469

REVIEW OF THE WORK CONDUCTED AT U. OF BUFFALO--STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES
1576

NEUDER, S. M.

ELECTROMAGNETIC FIELDS IN BIOLOGICAL MEDIA: PT II, THE SCAT PROGRAM, MULTILAYERED SPHERES, THEORY AND APPLICATIONS
0263+

FINITE ELEMENT-VARIATIONAL CALCULUS APPROACH TO THE DETERMINATION OF EM FIELDS IN IRREGULAR GEOMETRY
2197+

MICROWAVE POWER DENSITY ABSORPTION IN A SPHERICAL MULTILAYERED MODEL OF THE HEAD
2198+

A FINITE ELEMENT TECHNIQUE FOR CALCULATING INDUCED INTERNAL FIELDS AND POWER DEPOSITION IN BIOLOGICAL MEDIA OF COMPLEX IRREGULAR GEOMETRY EXPOSED TO PLANE WAVE EMR
2670+

EVALUATION OF AN IMPLANTABLE ELECTRIC-FIELD PROBE WITHIN FINITE SIMULATED TISSUES
2731

NEUKOMM, P. A.

HEALTH HAZARDS FROM TELEMETRY RF EXPOSURE? A REVIEW ON THE INTERACTIONS BETWEEN EM FIELDS AND BIOSYSTEMS
2027+

NEUMANN, E.

CONFORMATION CHANGES IN RIBOSOMAL RNA INDUCED BY ELECTRIC IMPULSES
1386

NEURATH, P. W.

HIGH GRADIENT MAGNETIC FIELD INHIBITS EMBRYONIC DEVELOPMENT OF FROGS
2115+

NEWMAN, P. P.

THE EFFECTS OF PULSED EM ENERGY ON PERIPHERAL NERVE REGENERATION
1054

NEWSOM, B. D.

RESEARCH PLAN FOR STUDY OF BIOLOGICAL AND ECOLOGICAL EFFECTS OF THE SOLAR POWER SATELLITE TRANSMISSION SYSTEM
0113+

NEYMAN, J.

PUBLIC HEALTH HAZARDS FROM ELECTRICITY-PRODUCING PLANTS
1799+

NICHOLS, D.

THRESHOLD EFFECTS OF MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS
1090

NICHOLSON, W. J.

TIME AND POWER THRESHOLDS FOR THE PRODUCTION OF LENS OPACITIES BY 12.3 CM. MICROWAVES
0664

NICKS, R.

INTERFERENCE HAZARDS WITH AUSTRALIAN NON-COMPETITIVE ('DEMAND') PACEMAKERS
3580

NICOLLS, J. W.

RADIATION EXPOSURE FROM INDUSTRIAL MICROWAVE APPLICATIONS
0686

RADIATION LEAKAGE CONTROL OF INDUSTRIAL MICROWAVE POWER DEVICES
0788

LABORATORY TESTING AND EVALUATION OF MICROWAVE OVENS, BRH/DEP 70-25 ,
3034

NICOLSON, A. M.

EXTENSIONS OF TIME DOMAIN METROLOGY ABOVE 10 GHZ TO MATERIALS MEASUREMENTS
0037

NICOUD, T.

SYNCOPAL ATTACKS ARISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN THE VICINITY OF A TELEVISION TRANSMITTER
2004

NIDZGORSKI, F.

FUNCTIONAL STIMULATION OF THE SPINAL CORD IN MULTIPLE SCLEROSIS
0069

NIELSON, D. L.

IMPROVED SUPPRESSION OF RADIATION FROM AUTOMOBILES USED BY THE GENERAL PUBLIC
1303

NIELSON, K. D.

PERIPHERAL NERVE INJURY FROM IMPLANTATION OF CHRONIC STIMULATING ELECTRODES FOR PAIN CONTROL
1878+

NIELZEN, S.

LONG TERM RESULTS OF PERIPHERAL CONDITIONING STIMULATION AS AN ANALGESIC MEASURE IN CHRONIC PAIN
0143

NIEMANN, W. H.

INCREASED UTERINE ACTIVITY AND FETAL DETERIORATION DURING MATERNAL HYPERTHERMIA
2866

NIESET, R. T.
ANNUAL PROGRESS REPT.-1958, INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0543+
ANNUAL REPT., 1959: THE NEURAL EFFECTS OF MICROWAVE IRRADIATION 0610+
NEURAL EFFECTS OF MICROWAVE RADIATION 1465+
REVIEW OF THE WORK CONDUCTED AT TULANE U.--INVESTIGATIONS OF THE BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION 1577

NIE VEL, J. G.
HISTOCHEMICAL AND ULTRASTRUCTURAL ANALYSIS OF THE EFFECT OF EMR ON RAT LIVER AND BRAIN 2356

NIKBERG, I. I.
RELATIONSHIP BETWEEN THE FREQUENCY OF HYPERTONIC CRISES AND CHANGES OF THE SOLAR ACTIVITY AND THE EARTH'S MAGNETIC FIELD INTENSITY (IN RUSSIAN) 2690

NIKIFAROV, E. P.
THE STUDY OF ICE AND WIND LOADINGS, GALLOPING, VIBRATION AND SUB-SPAN OSCILLATION OF CONDUCTORS AND QUESTIONS OF THEIR LIMITATIONS 3592

NIKITINA, N. G.
BIOEFFECTS IN RESPONSE TO A LOW INTENSITY PULSED 9,400 MHZ MICROWAVE ELECTROMAGNETIC FIELD. 0415
CHANGES OF THE ACTIVITY OF SUCCINATE DEHYDROGENASE IN CELLS OF VARIOUS BRAIN STRUCTURES UNDER THE EFFECT OF UHF FIELD OF LOW INTENSITY (IN RUSSIAN) 1399

NIKITINSKAIA, L. S.
UHF TREATMENT AND CALCIUM ELECTROPHORESIS IN THE THERAPY OF PYELONEPHRITIS IN CHILDREN (IN RUSSIAN) 2072

NIKOGOSYAN, S. V.
EFFECT OF DIFFERENT RANGES OF EM RF WAVES ON THE CHOLINESTERASE ACTIVITY IN THE CENTRAL NERVOUS SYSTEM 1353+
COMPARATIVE EVALUATION OF THE EFFECT OF MICROWAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN TEST ANIMALS 1356+
ASCORBIC ACID LEVEL IN THE ORGANS AND DAILY URINE OF ANIMALS EXPOSED TO LOW INTENSITY 10 CM WAVES 1358+
SANITARY HYGIENIC INVESTIGATION OF WORKING CONDITIONS DURING HIGH FREQUENCY HEATING 1516+
RESEARCH DATA ON THE STANDARDIZATION OF EM FIELDS IN THE SHORT AND ULTRASHORT WAVE RANGES 2555

NIKOLOWSKI, J.
PATHOGENESIS AND AGGRAVATION OF OCCUPATIONAL DISEASES CAUSED BY RAYS OF DIFFERENT WAVELENGTHS (IN GERMAN) 1626+

NIKONOVA, K. V.
PRESENTATION AND DISCUSSION OF SESSION REPORTS, CONCLUSIONS (INCLUDING FUTURE RESEARCH NEEDS) AND RECOMMENDATIONS 0899
THE CHARACTERISTICS OF BIOLOGIC EFFECTS OF MICROWAVES COMBINED WITH THE ACTION OF SOFT X-RAY IRRADIATION AND HEAT 1277+
X-RADIATION IN UHF EQUIPMENT 1339+
HYGIENIC EVALUATION OF THE INTENSITIES OF EM RADIOFREQUENCY FIELDS, X-RADIATION AND CONSTANT MAGNETIC FIELDS IN PLASMA STUDY DEVICES 1340+
COMBINED EFFECTS OF UHF AND SOFT X-RADIATION ON ANIMALS 1366+
ON SETTING HYGIENE STANDARDS FOR THE COMBINATION OF SHF AND X-RAYS 1451+
PATHOANATOMICAL CHARACTERIZATION OF CHANGES INDUCED IN EXPERIMENTAL ANIMALS BY COMBINED IRRADIATION WITH MICROWAVES AND X-RAYS 1454
EXPERIMENTAL STUDIES ON THE BIOLOGICAL EFFECTS EVOKED BY COMBINED EXPOSURE TO MICROWAVES AND HIGH AIR TEMPERATURE 1455+
INTERNATIONAL SYMPOSIUM ON 'BIOLOGICAL EFFECTS OF MICROWAVES AND HEALTH HAZARD' 1512
A COMPARATIVE ASSESSMENT OF HEALTH IN PERSONS WORKING UNDER CONDITIONS INVOLVING EXPOSURE TO MICROWAVES OF DIFFERENT INTENSITY 2360

NIKORIUKINA, L. P.
EFFECT OF HIGH-FREQUENCY EM OSCILLATIONS IN ASSOCIATION WITH TASHKENT MINERAL WATER ON THE PANCREATIC FUNCTION IN PATIENTS WITH CHRONIC COLITIS (IN RUSSIAN) 1835+

NILSSON, B. O.
A MECHANISM FOR HIGH-FREQUENCY ELECTROMAGNETICAL FIELD-INDUCED BIOLOGICAL DAMAGE? 0262+

NILSSON, S. E. G.
INFLUENCE ON VISION OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS 0353

NINHAM, B. W.
APPLICATION OF THE LIFSHITZ THEORY TO THE CALCULATION OF VAN DER WAALS FORCES ACROSS THIN LIPID FILMS. 3225

NISCE, L. Z.
LOCAL TUMOR HYPERTHERMIA IN COMBINATION WITH RADIATION THERAPY. I.MALIGNANT CUTANEOUS LESIONS 2618

NISHIDA, S.
ELECTROMAGNETIC POWER ABSORPTION IN CYLINDRICAL TISSUE MODELS EXCITED BY A LOOP ANTENNA. 0204

NISHIDA, Y.
EFFECTS OF MAGNETIC FIELD ON INFLAMMATION 1932

NITKA, J.
ESTIMATION OF THE OCCURRENCE OF NEUROTIC DISORDERS IN SEA ECONOMY WORKERS EXPOSED TO THE ACTION OF EM WAVES 1164

NIXON, R.
ANNUAL REPORT ON THE ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 COVERING 1970 2935+
U. S. GOV,T PRINTING OFFICE (1972) 92D CONGRESS, 2D SESSION, HOUSE DOCUMENT NO. 92-334 . 2987+
THE SECOND ANNUAL REPORT OF THE ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACY OF 1968, COVERING 1969 2991+
ANNUAL REPORT ON THE ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 COVERING 1972 3072+
ANNUAL REPORT ON THE ADMINISTRATION OF THE RADIATION CONTROL FOR HEALTH AND SAFETY ACT OF 1968 COVERING 1973 3108+

NO AUTHOR
STRENGTH OF EMISSIONS FROM CITIZENS RADIO SERVICE TRANSCEIVERS 3626+
USA STANDARD RADIO FREQUENCY RADIATION HAZARD WARNING SYMBOL 3627+

NOISE ABATEMENT AND CONTROL, O. O.
INFORMATION ON LEVELS OF ENVIRONMENTAL NOISE REQUISITE TO PROTECT PUBLIC HEALTH AND WELFARE WITH AN ADEQUATE MARGIN OF SAFETY 3079+

NONDAHL, T. A.
THE SENSITIVITY OF BLACK BULLHEAD, ICTALURUS MELAS RAFINESQUE, TO LOW LEVELS OF 60 HZ ALTERNATING ELECTRIC FIELDS 1205

NORDBERG, A.
BIOSYNTHESIS OF ACETYLCHOLINE IN DIFFERENT BRAIN REGIONS IN VIVO FOLLOWING ALTERNATIVE METHODS OF SACRIFICE BY MICROWAVE IRRADIATION 1620+
APPARENT REGIONAL TURNOVER OF ACETYLCHOLINE IN MOUSE BRAIN: METHODOLOGICAL AND FUNCTIONAL ASPECTS 2527+

NORDELL, D. E.
THE MEASUREMENT OF SUBSTATION GROUND RESISTANCE AND ITS USE IN DETERMING PROTECTION FOR METALLIC COMMUNICATION CIRCUITS 3117

NORDENSTROM, B.
PRELIMINARY CLINICAL TRIALS OF ELECTROPHORETIC IONIZATION IN THE TREATMENT OF MALIGNANT TUMORS 0023+

NORMAN, J. C.
MAGNETOCARDIOGRAPHY OF DIRECT CURRENTS: S-T SEGMENT AND BASELINE SHIFTS DURING EXPERIMENTAL MYOCARDIAL INFARCTION 2104

NORTON, K. A.
THE DISTRIBUTION OF THE POPULATION OF THE CONTINENTAL UNITED STATES, CANADA AND MEXICO WITHIN VARIOUS DISTANCES FROM 1361 TELEVISION MARKET CENTERS 3498+

NORTON, L. A.
IN VIVO BONE GROWTH IN A CONTROLLED ELECTRIC FIELD 2236+

ELECTRICAL STIMULATION OF OSTEOGENESIS IN PERIODONTAL DEFECTS 2774

EPIPHYSEAL CARTILAGE CYCLIC AMP CHANGES PRODUCED BY ELECTRICAL AND MECHANICAL PERTURBATIONS 2777+

NOSOVA, Y. A.
EFFECT OF STEADY MAGNETIC FIELD ON SOME ASPECTS OF ENERGY AND NITROGEN METABOLISM IN THE RAT CEREBRAL HEMISPHERES. 0429+

NOTANI, M.
SINGLE NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM 3394

NOVAK, J.
ATTEMPT AT DEMONSTRATING THE EFFECT OF A WEAK MAGNETIC FIELD ON TARAXACUM OFFICINALE 0941+

NOVAL, J. J.
EXTREMELY LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIVER ENYZMES OF RATS 1782+

CHANGES IN RATE OF GROWTH, AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS 2549+

NOVITSKIY, Y. I.
BIOLOGICAL EFFECT OF NATURAL AND WEAK ARTIFICIAL MAGNETIC FIELDS (ON THE STATE OF THE ART) 1003

NOVOTNY, D. W.
THE SENSITIVITY OF BLACK BULLHEAD, ICTALURUS MELAS RAFINESQUE, TO LOW LEVELS OF 60 HZ ALTERNATING ELECTRIC FIELDS 1205

NOVOTNY, G. E.
THE CORNEO-RETINAL POTENTIAL AS THE GENERATOR OF ALPHA RHYTHM IN THE HUMAN ELECTROENCEPHALOGRAM 0731

NOZDRACHEV, S. I.
EFFECT OF UHF FIELD OF SMALL INTENSITY ON INDICES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (IN RUSSIAN) 2079

NUNNALLY, R. L.
EXOGENOUS PEROXIDASE ACTIVITY IN THE SELECTIVELY HYPERTHERMIC RAT BRAIN 2532

PROTECTION OF THE MICROWAVE-IRRADIATED BRAIN WITH BODY-CORE HYPOTHERMIA 2533

INCREASED BLOOD FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING 2534

NUNZIATA, B.
CORNEAL RADIOFREQUENCY BURNS: EFFECTS OF PROSTAGLANDINS AND 48/80 2223+

NUTINI, L. G.
CELLULAR RESPIRATION IN INTERMITTENT MAGNETIC FIELDS 2117

NYQUIST, D.
RESPONSE OF INSULATED ELECTRIC FIELD PROBES IN FINITE HETEROGENEOUS BIOLOGICAL BODIES 0051

NYQUIST, D. P.
QUANTIFICATION AND MEASUREMENT OF INDUCED FIELDS INSIDE FINITE BIOLOGICAL BODIES 2187

COUPLING BETWEEN SMALL THIN-WIRE ANTENNAS AND A BIOLOGICAL BODY 2827+

NYROP, J. E.
A SPECIFIC EFFECT OF HIGH-FREQUENCY ELECTRIC CURRENTS ON BIOLOGICAL OBJECTS 0544+

O

O'BANNON, J. H.
APPLICATIONS OF MICROWAVE ENERGY TO CONTROL NEMATODES IN SOIL 1914+

O'BRIEN, C. K.
HISTOPATHOLOGIC CHANGES IN RAT LIVER FOLLOWING 2450 MHZ MICROWAVE RADIATION 1314+

O'GRADY, T. C.
EM PULSE RADIATION: A POTENTIAL BIOLOGICAL HAZARD? 0611

BIOMEDICAL ASPECTS OF NONIONIZING RADIATION: AN OVERVIEW OF THE NWL EFFORT 0827

O'KONSKI, C. T.
STRUCTURAL TRANSITION PRODUCED BY ELECTRIC FIELDS IN AQUEOUS SODIUM DEORYRIBONUCLEATE. 3211+

O'NEIL, J. J.
ELECTROMAGNETIC COMPATIBILITY - AN OVERVIEW 3025+

OATES, W. H.
MICROWAVE OVEN SURVEY RESULTS IN ARKANSAS DURING 1970 0710+

OATS, R.
RESPONSE OF ELECTRICALLY SHORT CABLES TO TRANSIENT EM FIELDS 0650+

OBERG, P. A.
INFLUENCE ON VISION OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS 0353

MAGNETIC STIMULATION OF NERVE TISSUE 2116+

OBERMANN, W.
CANCER AND THE LAW OF WORK 2281+

OBRENOVITCH, J.
COMPARATIVE STUDY OF THE ACTION OF THREE TYPES OF MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT 1139

STUDY OF THE MICROWAVE-INDUCED PERTURBATIONS OF THE BEHAVIOUR BY THE OPEN-FIELD TEST INTO THE WHITE RAT 2159

STUDY OF THE BIOLOGICAL EFFECTS OF HYPERFREQUENCY RADIATION OF LOW POWER DENSITIES (IN FRENCH) 2631

OBRINK, K. J.
BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS 2542

OBUKHOV, A. A.
NONLINEAR EFFECT ON THE ABSORPTION OF MICROWAVES BY A PLASMA 0949

OCKERMAN, H. W.
EFFECT OF CONVENTIONAL AND MICROWAVE HEATING ON PSEUDOMONAS PUTREFACIENS, STREPTOCOCCUS FAECALIS AND LACTOBACILLUS PLANTARUM IN MEAT TISSUE 2693

ODEBLAD, E.
SOME PRELIMINARY INVESTIGATIONS ON THE THERAPEUTIC EFFECT OF PULSED SHORT WAVES IN INTERMITTENT CLAUDICATION 0490

THE RADIOFREQUENCY FIELD DISTRIBUTION SURROUNDING COILS FOR INTRAUTERINE DIAGNOSTIC PROCEDURES 1959

ATTEMPTS TO LOCALIZE A CORCINOMA OF THE ENDOMETRIUM WITH THE USE OF SHORT RADIO WAVES 1960

ODINTSOV, Y. N.
THE EFFECT OF A MAGNETIC FIELD ON THE NATURAL RESISTANCE OF WHITE MICE TO LISTERIA INFECTION 2486+

ODLAND, L. T.
OBSERVATIONS ON MICROWAV E HAZARDS TO USAF PERSONNEL 0711+

MILITARY ROLE IN SAFE USE OF MICROWAVES 2224+

OERTEL, H. J.
MICROWAVE THERMOGRAPHY. 3315

OFF. OF RAD. PRO.
ASSESSMENT OF ENVIRONMENTAL RADIOACTIVITY IN THE VICINITY OF SHIPPINGPORT ATOMIC POWER STATION. EPA-520/5-73-005 3063+

CHAPTER 7. NONIONIZING RADIATION 3154+

OFF. OF TELE. POL.
REPORT ON 'PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING ELECTROMAGNETIC RADIATION' 3023+

SECOND REPORT ON PROGRAM FOR CONTROL OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT: THE ASSESSMENT OF BIOLOGICAL HAZARDS OF NONIONIZING ELECTROMAGNETIC RADIATION 3089+

OFFNER, F. F.
CONFORMATIONAL EFFECTS ON THE ACTIVATION FREE ENERGY OF DIFFUSION THROUGH MEMBRANES AS INFLUENCED BY ELECTRIC FIELDS 0860+

OGUNWUYI, S.
SOME BIOCHEMICAL AND CYTOLOGICAL OBSERVATIONS ON THE EFFECT OF NONIONIZING (MICROWAVE) RADIATION 2331

OGURA, K.
RAPID MICROWAVE FIXATION OF RAT BRAIN 0040

OHAD, L.
EFFECTS OF HIGH-FREQUENCY ELECTRIC FIELDS ON THE LIVING CELL. I. BEHAVIOUR OF HUMAN ERYTHROCYTES IN HIGH-FREQUENCY ELECTRIC FIELDS AND ITS RELATION TO THEIR AGE 1692

OHARA, H.
TEST OF MAGNETIC SENSITIVITY IN THREE DIFFERENT BIOLOGICAL SYSTEMS. 0159

OHASHI, T.
ELECTRET INDUCED CALLUS FORMATION IN THE RAT 2776

THE ELECTRICAL INDUCTION OF CALLUS FORMATION AND EXTERNAL SKELETAL FIXATION USING METHYL METHACRYLATE FOR DELAYED UNION OF OPEN TIBIAL FRACTURE WITH SEGMENTAL LOSS 2781

OHLHABER, T. R.
PERFORMANCE OF X-RAY MEASUREMENT INSTRUMENTS WHEN SUBJECTED TO ENVIRONMENTAL LEVEL RF FIELDS. 0418

OHM, O.
INTERFERENCE WITH CARDIAC PACEMAKER FUNCTION 2028+

OHMAN, R.
PROLACTIN RESPONSE TO ELECTROCONVULSIVE THERAPY 1879+

OKAKURA, T.
THE USE OF MICROWAVE HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE 1801

OKE, A. F.
A TERATOLOGICAL STUDY OF THE RAT: MICROWAVE AND INFRARED RADIATIONS COMPARED 2754

MICROWAVE-INDUCED TERATOLOGY IN THE RAT 2880

OKHOKHONINA, G. M.
EFFECTS OF EM WAVES ON PRODUCTION OF PROTEASES WITH FIBRINOLYTIC ACTIVITY IN ASPERGILLUS ORYZAE (AHLB.) COHN (STRAIN OF MOSCOW STATE UNIVERSITY) 2828

OLCERST, R. B.
THE DESCRIPTION OF A SYSTEM TO IRRADIATE CELLS IN CULTURE WITH MICROWAVES 2673

OLINGER, R.
ENHANCED UPTAKE OF ANTINEOPLASTIC AGENTS PRODUCED BY MICROWAVE-INDUCED TUMOR HYPERTHERMIA AND DIFFERENTIAL HYPOTHERMIA IN A MURINE GLIOMA 2364

OLIVA, S. A.
PROTECTING MILITARY PERSONNEL AND THE PUBLIC FROM THE HAZARDS OF EMR FROM MILITARY COMMUNICATIONS AND RADAR SYSTEMS 0311+

EFFECT OF EM PULSE ON AVOIDANCE BEHAVIOR AND ELECTROENCEPHALOGRAM OF A RHESUS MONDEY 0999

MICROWAVE EXPOSURE FACILITY: MULTIPLE ANIMAL EXPOSURE AT EQUAL POWER DENSITY 1617+

EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRADIATION FACILITY 1788

A MULTIPLE-ANIMAL ARRAY FOR EQUAL POWER DENSITY MICROWAVE IRRADIATION 2127+

EFFECTS OF 45 HZ ELECTRIC FIELD EXPOSURE ON RATS 2183

MICROWAVE EXPOSURE ARRAY: IMPROVED FIELD MEASUREMENTS 2615+

OLOFSSON, H.
A NEGATIVE TEST FOR MUTAGENIC ACTION OF MICROWAVE RAD. IN DROSOPHILA MELANOGASTER 0368

OLSEN, C. M.
SOME BIOLOGICAL EFFECTS OF MICROWAVE ENERGY 0992+

OLSEN, R. G.
THERMOGRAPHIC COMPARISON OF TEMPERATURE PROBES USED IN MICROWAVE DOSIMETRY STUDIES 0265+

PRELIMINARY STUDIES: FAR-FIELD MICROWAVE DOSIMETRIC MEASUREMENTS OF A FULL-SCALE MODEL OF MAN. 0432+

A THEORETICAL INVESTIGATION OF MICROWAVE IRRADIATION OF SEEDS IN SOIL 1125+

A NONPERTURBING TEMPERATURE SENSOR FOR MEASUREMENTS IN EM FIELDS 1819

A MICROWAVE IRRADIATION CHAMBER FOR SCIENTIFIC STUDIES ON AGRICULTURAL PRODUCTS 2146+

LOW-LEVEL MICROWAVE INTERACTION WITH ISOLATED MAMMALIAN HEARTS 2446+

INSECT TERATOGENESIS IN A STANDING-WAVE IRRADIATION SYSTEM 2755+

OMAROV, Z. K.
THE NATURE OF THE EFFECT OF A MAGNETIC FIELD ON NUTRIENT MEDIUM COMPOSITION AND TOXIN PRODUCTION BY Cl PERFRINGENS, TYPE D 2482

ONARAL, B.
EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS :EFFECTS OF ACUTE & CHRONIC IRRADIATIONS 0095

EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS. II. APPEARANCE OF FAST AND SLOW WAVES AFTER CHRONIC IRRADIATIONS 0287

ONDRA, G. W.
THE INTERACTION OF STATIC AND ALTERNATING ELECTRIC FIELDS WITH BIOLOGICAL SYSTEMS 3605

ONDRACEK, J.
IMPORTANCE OF ANTENNAE FOR ORIENTATION OF INSECTS IN A NONUNIFORM MICROWAVE EM FIELD 1847+

ONIANI, T. N.
EFFECT OF LOW-FREQUENCY ELECTRIC STIMULATION OF THE CAUDATE NUCLEUS ON THE CORTICAL ELECTRIC ACTIVITY AND THE WAKEFULNESS-SLEEP CYCLE (IN RUSSIAN) 1406+

OOSTA, G. M.

EFFECT OF HIGH-POWER DENSITY MICROWAVE IRRADIATION ON SOLUBLE PROTEINS OF THE RABBIT LENS. 0179+

EXTREMELY LOW FREQUENCY VERTICAL, 45-HZ ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD AND WATER CONSUMPTION, BLOOD METABOLITE, HEMATOLOGICAL, AND PATHOLOGICAL CHANGES 0957

EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMPTION AND BLOOD METABOLITE ALTERATIONS 1787

EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: IRRADIATION FACILITY 1788

EFFECTS OF 45 HZ ELECTRIC FIELD EXPOSURE ON RATS 2183

ORESHKO, V. I.

THE EFFECT OF A CONSTANT MAGNETIC FIELD ON E COLI ENZYME ACTIVITY 2483

ORLOVA, A. V.

EFFECT OF DIFFERENT DOSES OF CENTIMETER ELECTROMAGNETIC OSCILLATIONS ON BIOCHEMILUMINESCENCE OF THE CNS AND LIVER TISSUES (IN UKR) 0071

THE EFFECTS OF A COMBINATION OF MICROWAVES AND X-RAYS ON THE PERMEABILITY OF HISTO-HEMATIC BARRIERS 1489

ORLOVA, G. I.

UHF TREATMENT AND CALCIUM ELECTROPHORESIS IN THE THERAPY OF PYELONEPHRITIS IN CHILDREN (IN RUSSIAN) 2072

ORTIZ, J.

THE EFFECT OF ELECTRICAL STIMULATION ON THE BIOPHYSICAL PROPERTIES OF FRACTURE HEALING 2241

OSAKA, A.

THE DEVELOPMENT OF A NEW METHOD OF HEPATECTOMY BY RADIATION OF MICROWAVES 0919+

OSBORN, C.

REVIEW OF THE WORK CONDUCTED AT U. OF BUFFALO–STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES 1576

THERMAL EFFECTS OF 200 MEGACYCLE(CW) IRRADIATION AS RELATED TO SHAPE, LOCATION AND ORIENTATION IN THE FIELD. 3316

BIOLOGICAL EFFECTS OF MICROWAVE ENERGY AT 200 MC 3602

OSBORN, C. M.

STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES 1469

OSBORN, D.

MEASUREMENTS OF CONTRACTION LATENCIES TO MECHANICAL AND ELECTRICAL STIMULATION OF THE PROTOZOAN, SPIROSTOMUM AMBIGUUM 2475

OSBORNE, S. L.

A COMPARATIVE STUDY OF SHORT WAVE AND MICROWAVE DIATHERMY ON BLOOD FLOW 0565

MICROWAVE RADIATIONS. 3372+

OSCAR, K. J.

MICROWAVE ALTERATION OF THE BLOOD-BRAIN BARRIER SYSTEM OF RATS 2015+

OSEPCHUK, J.

LETTER OF COMMENT ON M. M. ZARET'S 'CATARACTS FOLLOWING USE OF MICROWAVE OVEN' 2652

OSEPCHUK, J. M.

PROSPECTS FOR EXPANSION OF INDUSTRIAL AND CONSUMER USES OF MICROWAVES 0877+

COMPUTATION OF PERSONNEL EXPOSURE IN MICROWAVE LEAKAGE FIELDS AND COMPARISON WITH PERSONNEL EXPOSURE STANDARDS 2392+

OSHIMA, K.

THE USE OF MICROWAVE HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE 1801

OSIEKA, R.

THE EFFECT OF HYPERTHERMIA ON HUMAN COLON CANCER XENOGRAFTS IN NUDE MICE. 0337+

OSIPOV, Y. A.

MEASURES OF PROTECTION, THERAPY AND PROPHYLAXIS TO BE TAKEN DURING WORK WITH RADIO-FREQUENCY OSCILLATORS 0545+

TEMPERATURE REACTION OF THE SKIN DURING IRRADIATION WITH MICRO-WAVES OF LOW INTENSITY 0607+

OSSENKOPP, K.

PRENATAL EXPOSURE TO AN EXTREMELY LOW FREQUENCY-LOW INTENSITY ROTATING MAGNETIC FIELD AND INCREASES IN THYROID AND TESTICLE WEIGHT IN RATS 0667+

MATURATION AND OPEN-FIELD BEHAVIOR IN RATS EXPOSED PRENATALLY TO AN ELF LOW-INTENSITY ROTATING MAGNETIC FIELD 0787+

PSYCHOPHYSIOLOGICAL EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS: A REVIEW 0935

PHYSIOLOGICAL EFFECTS OF EM FIELDS IN THE ELF REGION, PART II. A REVIEW 1184

OSSENKOPP, K. P.

BEHAVIORAL CHANGES IN ADULT RATS EXPOSED TO ELF MAGNETIC FIELDS 0785

PHYSIOLOGICAL CHANGES IN ADULT RATS EXPOSED TO AN ELF ROTATING MAGNETIC FIELD 0786

SOME BEHAVIORAL EFFECTS OF PRE- AND NEO-NATAL EXPOSURE TO AN ELF ROTATING MAGNETIC FIELD 1004

OSTAPENKOV, A. M.

INVESTIGATION OF THE EFFECT OF LOW-INTENSITY UHF EM WAVES ON BACILLUS MESENTERICUS AND PSEUDOMANAS FLUORESCENS (IN RUSSIAN) 1633+

OSTERMAN, A. L.

IN VITRO EPIPHYSEAL-PLATE GROWTH IN VARIOUS CONSTANT ELECTRICAL FIELDS 0640

OSTROVSKAYA, I. S.

MORPHOFUNCTIONAL STATUS OF THE HYPOPHYSEOGONADAL SYSTEM DURING EXPOSURE OF THE ORGANISM TO EM FIELDS WITH DIFFERENT CHARACTERISTICS (IN RUSSIAN) 1401

CHANGES IN THE TESTES DUE TO THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD ON THE ANIMAL ORGANISM 1508+

OSTROWSKI, K.

EFFECT OF MICROWAVES ON THE MORPHOLOGY AND FUNCTION OF THE THYROID GLAND (IN POLISH) 1923

NON-THERMAL EFFECT OF MICROWAVE RADIATION IN VITRO ON PERITONEAL MAST CELLS OF THE RAT 2033

OTT, V. R.

MAGNETIC FIELDS IRRADIATION, 'JONOMODULATOR' AND 'EICHOTHERM' APPARATUS (IN GERMAN) 1411+

OTTENBREIT, J.

MICROWAVE EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO 0352

OTTOLENGHI, M.

ELECTRIC FIELD EFFECTS IN BACTERIORHODOPSIN 2450

OVERGAARD, J.

BIOLOGICAL EFFECT OF 27.12-MHZ SHORT-WAVE DIATHERMIC HEATING IN EXPERIMENTAL TUMORS 0036+

THE EFFECT OF SEQUENCE AND TIME INTERVALS OF COMBINED HYPERTHERMIA AND RADIATION TREATMENT OF A SOLID MOUSE MAMMARY ADENOCARCINOMA IN VIVO (LETTER TO THE EDITOR) 2819+

OWEN, B. B.

THE DIELECTRIC CONSTANT OF WATER AS A FUNCTION OF TEMPERATURE AND PRESSURE. 3200+

OWENS, J. C.

OVICIDAL LEVELS OF 2.45 GHZ EM ENERGY FOR THE SOUTHERN CORN ROOTWORM 1126

OYA, S.
CHRONIC PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS 3414

P

PADALKA, E. S.
ENGLISH ABSTRACT OF 'EFFECT OF EM OSCILLATIONS IN THE MICROWAVE RANGE ON THE IRON, COPPER, AND ALLIED METALLOPROTEIN CONCENTRATIONS IN BLOOD AND ORGANS (EXPERIMENTAL STUDY)' 2841

PADALKA, Y. S.
RF HAZARDS: WHAT WE DON'T KNOW CAN HURT ELEMENTS, METALLOPROTEINES AND SOME INDICATORS OF OXIDATION- REDUCTION PROCESSES IN THE ORGANISM 2348

PAFKOVA, G.
SOME EFFECTS OF VARIOUS PULSED FIELDS ON ANIMALS WITH AUDIOGENIC EPILEPSY 1253

PAGE, A. B.
THE PRODUCTION OF FEVER IN MAN BY SHORT RADIO WAVES 0454

PAGE, W. J.
SURVIVAL OF MICROBIAL FILMS IN THE MICROWAVE OVEN 3425+

PAGLIONE, R.
THERAPEUTIC POTENTIAL OF CONFORMAL APPLICATORS FOR INDUCTION OF HYPERTHERMIA 0258
MICROWAVE APPARATUS FOR THE TREATMENT OF CANCER. 0374

PAGURA, C.
DIELECTRIC INCREMENT OF LOW MOLECULAR WEIGHT RNA IN DIOXANE AFTER APPLICATION OF STATIC ELECTRIC FIELDS 0641

PAHARICH, A.
WHAT HAPPENS WHEN RADIO WAVES PENETRATE THE HUMAN SKIN 1267+

PAK, V. V.
ACTION OF IONIZING RADIATION ON LAYING HENS. 0266+

PAL, D. K.
THE DISSIPATION OF MICROWAVES AS HEAT IN THE EYE 1531

PALMA, L.
ELECTROCOAGULATION OF GASSER'S GANGLION IN TRIGEMINAL PAINS (IN SPANISH) 2859+

PALMER, G. C.
INFLUENCE OF INJECTED PSYCHOACTIVE DRUGS ON CYCLIC AMP LEVELS IN MOUSE BRAIN AND LUNG FOLLOWING MICROWAVE IRRADIATION 2769+

PALMISANO, W. A.
SOME CONSIDERATIONS OF MICROWAVE HAZARDS EXPOSURE CRITERIA 0546+

PALS, N.
MARINE ELECTRIC FIELDS AND FISH ORIENTATION 0336+

PANOVA, V. N.
CLINICAL FEATURES OF THE EFFECT OF ELECTROMAGNETIC FIELD IN CONTACT ELECTRIC WELDING. 0210
CLINICAL ASPECTS OF THE EFFECT OF METRIC RANGE EM FIELDS 0627

PAOLETTI, R.
BRAIN FREE FATTY ACID LEVELS IN RATS SACRIFICED BY DECAPITATION VERSUS FOCUSED MICROWAVE IRRADIATION 0928

PAPERIELLO, C. J.
THE EFFECTS OF MICROWAVE EXPOSURE ON THYMIDINE UPTAKE IN ALBINO RATS 0719

PAPROCKA-SLONKA, E.
INFLUENCE OF MICROWAVE RADIATION ON THE HEMATOPOIETIC SYSTEM 1278
MICROWAVE IRRADIATION AND THE CIRCADIAN RHYTHM OF BONE MARROW CELL MITOSIS 1814

PARFENOV, A. P.
THERAPEUTIC USES OF MICROWAVES 2267+

PARK, G. C.
INTRACARDIAC CATHETER FIBRILLATION THRESHOLDS AS A FUNCTION OF THE DURATION OF 60 HZ CURRENT AND ELECTRODE AREA 1520

PARKER, D. E.
METROPOLITAN RADIATION HAZARDS III (METRO RAD-HAZ III) 3616+

PARKER, G. S.
SAFETY OF MICROWAVE DEVICES 0585+

PARKER, J.
THE EFFECTS OF LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES 0220

PARKER, J. T.
BILATERAL LENTICULAR OPACITIES OCCURRING IN A TECHNICIAN OPERATING A MICROWAVE GENERATOR 0600

PARKER, L.
EFFECTS OF LOW-INTENSITY MICROWAVE IRRADIATION ON THYROID AND ADRENAL FUNCTION IN RATS. 3214+

PARKER, L. N.
THYROID SUPPRESSION AND ADRENOMEDULLARY ACTIVATION BY LOW-INTENSITY MICROWAVE RADIATION 1111+

PARKHILL, E. M.
THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE. 3366
THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE OF THE RABBIT. 3367

PARKHURST, C. R.
SOME EFFECTS OF EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIATION 1088
HUMORAL IMMUNITY OF JAPANESE QUAIL SUBJECTED TO MICROWAVE RADIATION DURING EMBRYOGENY 2589

PARKS, G. A.
BONNEVILLE POWER ADMINISTRATION'S PROTOTYPE 1100/1200 KV TRANSMISSION LINE PROTOTYPE 3170

PARR, W. H.
MEASUREMENT OF ELECTRIC- AND MAGNETIC-FIELD STRENGTHS FROM INDUSTRIAL RADIO-FREQUENCY (6-38 MHZ) PLASTIC SEALERS. 0402
MEASUREMENT OF ELECTRIC AND MAGNETIC FIELD STRENGTHS FROM INDUSTRIAL RADIOFREQUENCY (15-40.68 MHZ) POWER SOURCES 2210

PARSA, F.
EFFECT OF MICROWAVE OVEN ON IMPLANTED CARDIAC PACEMAKER 0513

PARSADANYAN, A. S.
TECHNIQUE FOR DERIVING ELECTROGRAMS OF THE HEART OF THE INTACT FROG DURING EXPOSURE TO SUPERHIGH FREQUENCY FIELD 2809+

PARSEGIAN, V. A.
APPLICATION OF THE LIFSHITZ THEORY TO THE CALCULATION OF VAN DER WAALS FORCES ACROSS THIN LIPID FILMS. 3225+

PARSON, W. W.
MAGNETIC FIELD EFFECTS ON RADICAL PAIR INTERMEDIATES IN BACTERIAL PHOTOSYNTHESIS 2583

PARSONNET, V.
THE PACEMAKER PATIENT AND THE EM ENVIRONMENT 1025

PARTLOW, L. M.
AN INVESTIGATION OF THE THERMAL AND ATHERMAL EFFECTS OF MICROWAVE IRRADIATION ON ERYTHROCYTES. 0183

PAS, A. H.
EFFECTS OF UHF MAGNETIC FIELDS ON DEVELOPMENT OF ARTERIAL AND LYMPHATIC COLLATERALS (AN EXPERIMENTAL STUDY) 2810+

PASSONNEAU, J. V.
THE EFFECT OF ELECTROSHOCK ON ENERGY METABOLISM IN CEREBELLAR LAYERS 2638

PASTERNACK, B. S.
LENTICULAR CHANGES IN MICROWAVE WORKERS
1862

PATEL, B. M.
LOSS OF VIABILITY OF PEAS CAUSED BY MICROWAVE HEATING
2405

PATERSON, D. C.
ELECTRICAL BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION
2403+

PATTERSON, H. W.
WHAT QUALITY-FACTOR?
2931+

PAUL, W. E.
X-LINKED B-LYMPHOCYTE IMMUNE DEFECT IN CBA/N MICE, PART II: STUDIES OF THE MECHANISMS UNDERLYING THE IMMUNE DEFECT
0946

PAULSSON, L.
THE EFFECTS OF MICROWAVE RADIATION ON MICROTUBULES AND AXONAL TRANSPORT
2064+

PAULSSON, L. E.
RETINAL DAMAGE EXPERIMENTALLY INDUCED BY MICROWAVE RADIATION AT 55 MW/CM2.
0181+

PAULY, H.
DIELECTRIC MEASUREMENTS OF NITELLOPSIS OBTUSA CELLS WITH INTRACELLULAR ELECTRODES
0870

AN ISOTHERMAL TWIN CALORIMETER FOR THE DETERMINATION OF THE HEAT DEFECT OF LOW ENERGY X-RAYS.
3248

ELECTRICAL SUBSTITUTES FOR HUMAN TISSUE.
3349

THE DIELECTRIC PROPERTIES OF THE BOVINE EYE LENS.
3379+

PAUTRIZEL, A.
EXPERIMENT ON THE CORRELATION BETWEEN THE COURSE OF ACTION OF TRYPANOSOMA EQUIPERDUM, AND THE ACTION OF PULSED AND MODULATED EM WAVES (IN FRENCH)
0959

STIMULATION, BY PHYSICAL MEANS, OF THE DEFENSES OF THE MOUSE AND RAT AGAINST EXPERIMENTAL TRYPANOSOMA
1773

ACTION OF A MAGNETIC FIELD COMBINED WITH EM WAVES ON THE EXPERIMENTAL TRYPANOSOMES OF THE RABBIT
1774

PAUTRIZEL, R.
EFFECT OF MAGNETIC FIELDS COMBINED WITH EM WAVES ON TRYPANOSOMATIC ORCHITIS OF THE RABBIT
0866

STIMULATION, BY PHYSICAL MEANS, OF THE DEFENSES OF THE MOUSE AND RAT AGAINST EXPERIMENTAL TRYPANOSOMA
1773+

ACTION OF A MAGNETIC FIELD COMBINED WITH EM WAVES ON THE EXPERIMENTAL TRYPANOSOMES OF THE RABBIT
1774+

ACTION OF EM WAVES AND MAGNETIC FIELDS ON LIPID MODIFICATIONS BROUGHT ON IN THE RABBIT BY THE ADMINISTRATION OF AN ALIMENTARY HYPERCHOLESTEROL REGIME (IN FRENCH)
1775+

INFLUENCE OF THE AGE OF MICE ON THE EFFECTIVENESS OF STIMULATION OF THE IMMUNE SYSTEM OF MICE BY ELECTRO-MAGNETIC RADIATION
3424+

PAWL, R. P.
PERCUTANEOUS RADIOFREQUENCY ELECTROCOAGULATION IN THE CONTROL OF CHRONIC PAIN
0931+

PAWLUK, R. J.
AUGMENTATION OF BONE REPAIR BY INDUCTIVELY COUPLED EM FIELDS
0644

ACCELERATION OF FRACTURE REPAIR BY EM FIELDS. A SURGICALLY NONINVASIVE METHOD
1050

A NON-OPERATIVE SALVAGE OF SURGICALLY-RESISTANT PSEUDARTHROSES AND NON-UNIONS BY PULSING EM FIELDS--A PRELIMINARY REPORT
2373

CONTROL OF REPAIR PROCESSES BY EM FIELDS
2688

PAY, T. L.
A COMPARATIVE STUDY OF THE EFFECTS OF MICROWAVE RADIATION AND CONVENTIONAL HEATING ON THE REPRODUCTIVE CAPACITY OF DROSOPHILA MELANOGASTER.
2925+

PAYNE, J. A.
COMPUTER ACCESS TO GEOGRAPHIC DISTRIBUTION OF THE POPULATION
3521

PAYNE, R. P.
COAXIAL CELL FOR LIQUID DIELECTRIC MEASUREMENTS FROM 300 TO 9000 MHZ..
3339+

PAYNE, W. R.
A REVIEW OF SELECTED BIOEFFECTS THRESHOLDS FOR VARIOUS SPECTRAL RANGES OF LIGHT
0653

PAZDEROVA, J.
BLOOD PROTEINS IN PERSONNEL OF TELEVISION AND RADIO TRANSMITTING STATIONS
0888+

EFFECTS OF EMR OF THE ORDER OF CENTIMETER AND METER WAVES ON HUMAN'S HEALTH
0939+

HEALTH CONDITION OF WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION
3193+

PAZDEROVA-VEJLUPKOVA,
CHANGE IN THE BLOOD COUNT OF GROWING RATS IRRADIATED WITH A MICROWAVE PULSE FIELD.
0182+

PAZDEROVA-VEJLUPKOVA, J.
INFLUENCE OF PULSED MICROWAVES ON HAEMATOPOIESIS OF ADOLESCENT RATS
1132+

PEA, I.
NONIONIZING RADIATION: BIOLOGICAL EFFECTS- HEALTH ASPECTS OF SAFETY. (IN ITAL.).
0177

PEACOCK, J.
MYOSIN SYNTHESIS INCREASED BY ELECTRICAL STIMULATION OF SKELETAL MUSCLE CELL CULTURES
1017

PEAK, D. W.
MEASUREMENT OF POWER DENSITY FROM MARINE RADAR
0757+

CALORIMETRIC CALIBRATION METHOD FOR A COMMERCIAL POWER MONITOR FOR USE WITH HIGH POWER MICROWAVE GENERATORS, (FDA) 73-8010, BRH/DEP 73-1
3039

PEARLMAN, W.
EXPERIMENTAL DESIGNS IN THE STUDY OF BIOLOGICAL EFFECTS DURING RADIO FREQUENCY TRANSMISSION
2940+

PEARSON, G. L.
A MAGNETIC FIELD STRENGTH METER EMPLOYING THE HALL EFFECT IN GERMANIUM.
3307+

PECZENIK, A.
SOME CONSIDERATIONS OF MICROWAVE HAZARDS EXPOSURE CRITERIA
0546

PEDERSEN, P. C.
MEDICAL DIAGNOSTIC APPLICATIONS OF MICROWAVE RADIATION
1191+

AN INVESTIGATION OF THE USE OF MICROWAVE RADIATION FOR PULMONARY DIAGNOSTICS
1241+

DIAGNOSTIC APPLICATION OF MICROWAVE RADIATION IN PULMONARY MEDICINE
2202+

MONITORING AND DIAGNOSIS OF PULMONARY EDEMA BY MICROWAVES: A PRELIMINARY REPORT
2463

PEDERSON, P. D.
MICROWAVE APPLICATIONS
2562+

PEHTIG, R.
MICROWAVE HALL MOBILITY MEASUREMENTS ON HEAVY BEEF HEART MITOCHONDRIA
0684

PELIOTIS, S.
METERLESS MONITORING OF RADIATION NOW IN SIGHT
2470+

PELISSIER, J. P.
EFFECT OF MICROWAVES ON STEROIDS PLASMA LEVELS IN MALE RATS
2788

PELLISSIER, J. P.
PRELIMINARY STUDY OF THE CUMULATIVE EFFECT OF MICROWAVE RA-

DIATION (2,450 MHZ) ON THE IMMUNE RESPONSE OF THE MOUSE 0312

EFFECTS OF LOW LEVEL MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT OF THE RAT 0370

PELUSO, F.
TEMPERATURE CHANGES GENERATED BY MICROWAVE THERAPY IN THE THIGHS OF HUMAN SUBJECTS 1157

PEMBERTON, A. H.
SYNCOPAL ATTACKS ARISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN THE VICINITY OF A TELEVISION TRANSMITTER 2004

PENDERGRASS, F. T.
INTERACTION OF A 2450-MHZ MICROWAVE FIELD WITH THERMOCOUPLES AND THERMISTORS 1194

PENG, H. B.
POLARIZATION OF FUCOID EGGS BY STEADY ELECTRICAL FIELDS 0643+

PENN, J. W.
ELECTRICAL PARAMETER VALUES OF SOME HUMAN TISSUES IN THE RADIOFREQUENCY RADIATION RANGE. 0310+

PEPPER, E. W.
EFFECTS OF MICROWAVES ON OPTICAL ACTIVITY 1534

PEREIRA, M. R.
CELLULAR RESPIRATION IN INTERMITTENT MAGNETIC FIELDS 2117+

PEREVALOV, G. M.
SELECTIVE ACTION OF DECIMETER WAVES ON CENTRAL BRAIN STRUCTURES 0072

THE DYNAMICS OF THE IMPULSE ACTIVITY OF NEURONS OF THE POSTERIOR SECTION OF THE HYPOTHALAMUS UNDER THE INFLUENCE OF MICROWAVES. 0230

SELECTIVE ACTION OF DECIMETER WAVES ON CENTRAL STRUCTURES OF THE BRAIN 2793

PEREVOSHCHYKOV, Y. O.
ABSORPTION OF RADIOPHOSPHORUS ACROSS THE SYNOVIAL MEMBRANE OF THE KNEE JOINT UNDER THE INFLUENCE OF SINUSOIDAL MODULATED CURRENT PULSES 2045

PEREZ, C. A.
A MICROWAVE HYPERTHERMIA TREATMENT AND THERMOMETRY SYSTEM. 0425

PERLETZ, L.
P-N JUNCTIONS AND THE PIEZOELECTRIC RESPONSE OF BONE 2092

PERREN, S. M.
EFFECT OF THE MAGNETIC FIELD COMPONENT OF THE KRAUSLECHNER METHOD ON THE HEALING OF EXPERIMENTAL NONUNIONS IN DOGS. 0131

INFLUENCE OF MAGNETIC FIELDS ON GROWTH AND REGENERATION IN ORGAN CULTURE. 0147

PERRIN, J. C.
COMPARATIVE STUDY OF THE ACTION OF THREE TYPES OF MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT 1139

PERSIANINOV, L. S.
DYNAMICS OF CHANGES OF THE CORTICAL-SUBCORTICAL CORRELATIONS IN EXPERIMENTAL ANIMALS UNDER THE ACTION OF PULSED CURRENTS (BY THE METHOD OF ELECTROANALGESIA) 0024+

DYNAMICS IN CHANGES OF THE CEREBRAL ELECTRIC ACTIVITY IN PATIENTS WITH THE CLIMACTERIC SYNDROME DURING THE TREATMENT BY PULSE CURRENT (IN RUSSIAN) 1409+

SOME ASPECTS OF THE MECHANISM OF ACTION OF PULSED CURRENTS (ACCORDING TO THE METHOD OF A ELECTROANALGESIA 3427+

PERSINGER, M. A.
THYROID MORPHOLOGY AND ACTIVITY DOES NOT RESPOND TO ELF ELECTROMAGNETIC FIELD EXPOSURES. 0164

PRENATAL EXPOSURE TO AN EXTREMELY LOW FREQUENCY-LOW INTENSITY ROTATING MAGNETIC FIELD AND INCREASES IN THYROID AND TESTICLE WEIGHT IN RATS 0667 PERSINGER, M. A.

BEHAVIORAL CHANGES IN ADULT RATS EXPOSED TO ELF MAGNETIC 0785 FIELDS FIELDS 0785

PHYSIOLOGICAL CHANGES IN ADULT RATS EXPOSED TO AN ELF ROTATING MAGNETIC FIELD 0786+

PSYCHOPHYSIOLOGICAL EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS: A REVIEW 0935+

SOME BEHAVIORAL EFFECTS OF PRE- AND NEO-NATAL EXPOSURE TO AN ELF ROTATING MAGNETIC FIELD 1004+

POSSIBLE CARDIAC DRIVING BY AN EXTERNAL ROTATING MAGNETIC FIELD 1013+

PHYSIOLOGICAL EFFECTS OF EM FIELDS IN THE ELF REGION, PART II. A REVIEW 1184

INTRODUCTION 2650+

PERTICONE, F.
STIMULATION WITH AUTOMATIC RADIOFREQUENCY SYNCHRONIZATION AND PACING IN THE LONG-TERM TREATMENT OF HYPERKINETIC ARRHYTHMIA (IN FRENCH) 3399

PESSOTTI, R. L.
DEPOLARIZATION OF THE NEURALLY BLOCKED GASTRIC MUCOSA OF THE RAT 0623

PETERS, W. J.
EFFECT OF CONTROLLED EMR ON THE GROWTH OF CELLS IN TISSUE 0267+

THE EFFECT OF MICROWAVE EMR ON THE GROWTH OF MAMMALIAN CELLS IN TISSUE CULTURE 2514+

PETERSEN, R. C.
EMR EMITTED FROM VIDEO COMPUTER TERMINALS. 0200

PETERSON, D. J.
AN INVESTIGATION OF THE THERMAL AND ATHERMAL EFFECTS OF MICROWAVE IRRADIATION ON ERYTHROCYTES. 0183+

PETERSON, M. D.
MAGNETIC ENHANCEMENT OF ELECTRON DOSE DISTRIBUTION IN A PHANTOM 2537

PETERSON, R.
COMPLETE MEASUREMENT OF EM FIELDS WITH ELECTRO-OPTICAL CRYSTALS 2206

PETERSON, R. W.
A REVIEW OF SELECTED BIOEFFECTS THRESHOLDS FOR VARIOUS SPECTRAL RANGES OF LIGHT 0653

MEASUREMENT OF EMR LEVELS FROM SELECTED TRANSMITTERS OPERATING BETWEEN 54 AND 220 MHZ IN THE LAS VEGAS, NEVADA, AREA 2802

MICROWAVE HAZARD EVALUATION (A FIELD SURVEY FORM) 3549

MEASUREMENTS OF THE RADIATION EMISSIONS FROM THE NUVE-LITE DENTAL APPLIANCE 3624+

PETIN, V. G.
QUANTITATIVE ANALYSIS OF YEAST CELL INACTIVATION AFTER EXPOSURE TO SHF IRRADIATION. (IN RUSSIAN) 0338+

PETRERE, J. A.
MICROWAVE FIXATION OF FETAL SPECIMENS 2767+

PETROUIC, P.
CZECHOSLOVAK STUDY OF THE DEPENDENCE OF THE ALBEDO ON THE HEIGHT OF THE SUN AND ON CLOUDINESS 3452+

PETROV, I. R.
THE COMBINED EFFECT PRODUCED ON THE ANIMAL ORGANISM BY SUPERHIGH FREQUENCY EM WAVES AND A GAS MIXTURE WITH A LOW OXYGEN CONTENT 2029+

COMBINED EFFECTS OF MICROWAVE EMR AND OTHER FACTORS ON THE ORGANISM 2259+

PROBLEMS OF THE ETIOLOGY AND PATHOGENESIS OF THE PATHOLOGICAL PROCESSES CAUSED BY MICROWAVE RADIATION 2266+

PROBLEMS OF PROPHYLAXIS AND PROTECTION FROM THE HARMFUL EFFECTS OF MICROWAVES
2268

THE EFFECTS ON THE BODY OF EMR OF THE SHF RANGE
2487+

INFLUENCE OF MICROWAVE RADIATION ON THE ORGANISM OF MAN AND ANIMALS (TRANSLATION FROM RUSSIA)
3520+

PETROVA, V. M.

MICROWAVE THERAPY OF INFLAMMATION OF THE GENITALS
2353+

PETROWICZ, D.

EXPERIMENTAL STUDIES ON THE USE OF MICROWAVE FOR THE LOCALIZED HEAT TREATMENT OF THE PROSTRATE.
0268+

PETTERSSON, L. E.

A MECHANISM FOR HIGH-FREQUENCY ELECTROMAGNETICAL FIELD-INDUCED BIOLOGICAL DAMAGE?
0262

PETTIT, S.

NEUROENDOCRINE AND CARDIODYNAMIC RESPONSE OF THE DOG SUBJECTED TO CRANIAL EXPOSURE TO 2450 MHZ MICROWAVES
2445

THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450-MHZ MICROWAVES
2747

THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450 MHZ MICROWAVES
2901

PETZ, R.

THERMOSTABILITY OF THE ERYTHROCYTES OF MICE EXPOSED TO THE ACTION OF A MAGNETIC FIELD
1231

INFLUENCE OF ROTATING MAGNETIC FIELD OF 200 GAUSS ON SPLENECTOMIZED MICE (IN CZECHOSLOVAKIAN)
2709+

PFISTER, A.

EFFECTS OF MICROWAVES ON THE CELL METABOLISM OF THE RETICULO-HISTOCYTIC SYSTEM
1280

RECHERCHES SUR LES LESIONS VISCERALES OBSERVEES CHEZ DES SOURIS ET DES RATS EXPOSES AUX ONDES ULTRA-COURTES: ETUDE PARTICULIERE DES EFFETS DE CES ONDES SUR LA REPRODUCTION DE CES ANIMAUX.
2919

PFUTZNER, H.

PHYSICAL PROPERTIES OF BIOLOGICALLY ACTIVE LOW-FREQUENCY EM FIELDS (IN GERMAN)
2710+

PHILLIPS, C.

CYTOGENETIC EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS
3056

PHILLIPS, R. D.

HEMATOLOGIC EFFECTS IN MICE EXPOSED TO PULSED AND CW MICROWAVES.
0206

EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS
0269+

BIOLOGICAL EFFECTS OF HIGH STRENGTH ELECTRIC FIELDS ON SMALL LABORATORY ANIMALS.
0431+

EFFECTS OF EXPOSURE TO PULSED MICROWAVES (RADAR) ON CENTRAL NERVOUS SYSTEM EXCITABILITY IN LAB. ANIMALS
0637

EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY
0738+

THERMOREGULATORY, METABOLIC, AND CARDIOVASCULAR RESPONSE OF RATS TO MICROWAVES
0926+

BEHAVIORAL EFFECTS OF PULSED MICROWAVE RADIATION
1096

FIELD MEASUREMENTS, ABSORBED DOSE, AND BIOLOGIC DOSIMETRY OF MICROWAVES
1101+

BIOLOGICAL DOSIMETRY OF 2450 MHZ MICROWAVE IRRADIATION WITH MICE
1745

BIOLOGICAL EFFECTS OF STATIC AND LOW FREQUENCY EM FIELDS: AN OVERVIEW OF UNITED STATES LITERATURE
2393+

PHILLIPS, T. L.

A SYSTEM FOR DEVELOPING MICROWAVE INDUCED HYPERTHERMIA IN SMALL ANIMALS
2454

A SYSTEM FOR DEVELOPING MICROWAVE-INDUCED HYPERTHERMIA IN SMALL ANIMALS.
2922

PHOTIADES, D. P.

CONTROL MECHANISMS AND THE ACTION OF WEAK ELECTRIC CURRENTS IN THE ACCELERATION OF WOUND HEALING AND FRACTURE UNION
1825+

PHROMOTHANSY, P.

A NON CONTACT TEMPERATURE MONITOR FOR THE AUTOMATIC CONTROL OF MICROWAVE OVENS
0038

PIANEZZI, B.

INFLUENCE OF VARIOUS PHYSICAL FACTORS (MAGNETIC FIELDS) ON THE DEVELOPMENT OF ARTEMIA SALINA EGGS (IN FRENCH)
2143

PIANOWSKA, J.

NERVOUS SYSTEM CHANGES IN WORKERS OF RADIOTELEVISION STATIONS EXPOSED TO MICROWAVES (IN POLISH)
1621

PICCINNI-LEOPARDI, C.

A REPLY TO THE CONCEPT OF CANCER TREATMENT BY NMR
0852

PICCONE, V.

TUMOR ERADICATION BY RADIOFREQUENCY THERAPY
0741

PICHUGIN, V. N.

IMMEDIATE EFFECT OF ELECTRIC CARDIOVERSION ON THE INDICES OF HEMODYNAMICS AND MYOCARDIUM CONTRACTILITY IN PATIENTS WITH AURICULAR FIBRILLATION (IN RUSSIAN)
1396

PICKARD, W. F.

THE INSENSITIVITY OF FROG HEART RATE TO PULSE MODULATED MICROWAVE ENERGY
0844

ELECTRIC-FIELD DISTRIBUTION ALONG FINITE LENGTH LOSSY DIELECTRIC SLABS IN WAVEGUIDE
1645

THE RELATION OF TERATOGENESIS IN TENEBRIO MOLITOR TO THE INCIDENCE OF LOW-LEVEL MICROWAVES
1973

BIOLOGICAL EFFECTS OF MICROWAVES ON THE PUPAE OF TENEBRIO MOLITOR
2675

PICKOVA, J.

BLOOD PROTEINS IN PERSONNEL OF TELEVISION AND RADIO TRANSMITTING STATIONS
0888

PIERCE, R. N.

A STUDY OF HEAD AND NECK EXPOSURE FROM POLYTOMOGRAPHY
0632

PIERLUISSI, J. H.

EFFECTS OF EM FIELDS BELOW 30 MHZ ON ANIMAL BIOLOGY
1394+

PIERSOL, G. M.

THE ABSORPTION OF EM ENERGY IN BODY TISSUES: A REVIEW AND CRITICAL ANALYSIS
0596

THE ABSORPTION OF ELECTROMAGNETIC ENERGY IN BODY TISSUES. PART II. PHYSIOLOGICAL AND CLINICAL ASPECTS
2945

THE ABSORPTION OF ELECTROMAGNETIC ENERGY IN BODY TISSUES PART I BIOPHYSICAL ASPECTS.
3324

PIFFANELLI, P.

CHROMOSOME STUDIES OF RADAR CENTRE STAFF EXPOSED TO EMR (IN ITALIAN)
1007

PILLA, A. A.

CYTOFLUOROMETRY OF ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENTIATION (IN JAPAN)
0068

AUGMENTATION OF BONE REPAIR BY INDUCTIVELY COUPLED EM FIELDS
0644

ACCELERATION OF FRACTURE REPAIR BY EM FIELDS. A SURGICALLY NONINVASIVE METHOD
1050

A NON-OPERATIVE SALVAGE OF SURGICALLY-RESISTANT PSEUDARTHROSES AND NON-UNIONS BY PULSING EM FIELDS--A PRELIMINARY REPORT
2373

PINIGN, M. A.
SOVIET-AMERICAN COOPERATION IN ENVIRONMENTAL HEALTH SCIENCE 0274

PINKAVITCH, F.
CHANGE IN AVERAGE ABSORBED DOSE RATE OF A GROUP OF MICE UNDER REPEATED EXPOSURE TO 915 MHZ MICROWAVE RADIATION 2672

PINNEO, L.
MICROWAVE RADIATION IN RELATION TO BIOLOGICAL SYSTEMS AND NEURAL ACTIVITY 3603

PINNEO, L. R.
ANNUAL REPT., 1959: THE NEURAL EFFECTS OF MICROWAVE IRRADIATION 0610

NEURAL EFFECTS OF MICROWAVE RADIATION 1465

PINTO, E.
MYOSIN SYNTHESIS INCREASED BY ELECTRICAL STIMULATION OF SKELETAL MUSCLE CELL CULTURES 1017

PIONTEK, G.
THE EFFECTS OF MICROWAVE RADIATION, HYPERTHERMIA, AND L-ASCORBIC ACID ON EHRLICH ASCITES CARCINOMA CELL METABOLISM 0044+

PIONTEK, G. E.
TWO MICROWAVE BIOLOGICAL EFFECTS EXPERIMENTS: HEART RATE AND MYOTATIC REFLEX OF FROGS 1607+

PIONTEK, P.
THE INFLUENCE OF A STRONG MAGNETIC FIELD ON MUSCULAR CONTRACTION. 3249

PIOTROWSKI, M.
PROPOSALS FOR SPECIFICATION OF ALLOWABLE LEVELS OF MICROWAVE RADIATION 0628

RESONANCE METHOD FOR THE DETERMINATION OF THE COMPLEX DIELECTRIC CONSTANT OF BIOLOGIC MATERIALS IN THE MICROWAVE BAND 0883+

MEASUREMENTS OF MICROWAVE RADIATION 0897

PIROTTE, P.
A STUDY OF CORONA DISCHARGES AT WATER DROPS OVER THE FREEZING TEMPERATURE RANGE 3135

PIRUZYAN, L. A.
MICROCALORIMETRY OF THE PROCESSES OF COAGULATION IN NORMAL CONDITIONS AND AFTER EXPOSURE TO A CONSTANT MAGNETIC FIELD 0952+

THE INFLUENCE OF A CONSTANT MAGNETIC FIELD ON THE CONCENTRATION OF FREE RADICALS IN THE ORGANS AND TISSUES OF MICE 2488+

THE MECHANISM OF THE BIOLOGICAL EFFECT OF CONSTANT MAGNETIC FIELDS 2489+

PIS'MENNYY, B. S.
UTILIZING NONLINEAR PROPERTIES OF SEMICONDUCTORS WHICH SHOW UP IN STRONG ELECTRIC FIELDS FOR DETECTING EMISSION IN THE MILLIMETER AND SUBMILLIMETER BANDS 2343

PISH, G.
PRELIMINARY INVESTIGATION OF THE APPLICATIONS OF MAGNETIC RESONANCE ABSORPTION SPECTROSCOPY TO THE STUDY OF THE EFFECTS OF MICROWAVES ON BIOLOGICAL MATERIALS 1472+

PLANTE, P. R.
EXPOSURE OF DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS 2180

PLAVCIC, Z.
POWER DENSITY ZONES IN THE VICINITY OF RADAR ANTENNAS 2790+

PLONUS, M. A.
IGNITABILITY OF ANECHOIC CHAMBER FOAM BY ELECTRIC CURRENTS 0945+

PLOTNIKOV, I. K.
CHARACTERISTICS OF THE OCCUPATIONAL PATTERN OF PATIENTS WITH LEUKEMIA AND LYMPHOGRANULOMATOSIS (ACCORDING TO DATA FOR KUIBYSHEV REGION) (IN RUSSIAN) 0025+

CLINICAL EPIDEMIOLOGICAL CHARACTERIZATION OF CHRONIC LYMPHOID LEUKEMIA (IN RUSSIAN) 2068+

PLOTNIKOV, V. G.
THE EFFECT OF STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS 2812

PLOTNIKOVA, L. B.
THE EFFECT OF STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS 2812

PLOUSSIOS, G.
CITY NOISE AND ITS EFFECT UPON AIRBORNE ANTENNA NOISE TEMPERATURE AT UHF 3177+

PLURIEN, G.
VARIATION OF SERUM TRYGLYCERIDES RATE UNDER THE ACTION OF EM WAVES: POWER LEVEL INFLUENCE 1129

EFFECT OF EM ENERGY ON THE FORMATION OF TRIGLYCERIDES: FREQUENCY INFLUENCE 1130

PLUYGERS, E.
CANCER TREATMENT BY HYPERTHERMIA: INCLUDING PHANTOM STUDIES ON LOCALIZED HYPERTHERMIA PRODUCTION AND MEASUREMENT (IN FRENCH) 0357+

POBZHITKOV, V. A.
THE INFLUENCE OF SUPER-HIGH FREQUENCY PULSED ELECTROMAGNETIC FIELD ON CONCEPTION AND THE COURSE OF PREGNANCY IN WHITE MICE 2875+

PODOLAK, E.
EFFECT OF AN ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS 2036

THE BEHAVIOR OF TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS 2086

ANTI-HIJACKING EFFORTS AND CARDIAC PACEMAKERS--REPORT OF A CLINICAL STUDY 2969

POGRUND, R. S.
BIOMEDICAL EVALUATION OF LOW FREQUENCY (LONG WAVE) EMR ASSOCIATED WITH ELECTRIC POWER TRANSMISSION 1195+

POHL, H. A.
BIOLOGICAL DIELECTROPHORESIS: THE BEHAVIOR OF LONE CELLS IN A NONUNIFORM ELECTRIC FIELD 2232

POL, W.
EFFECT OF MICROWAVES EMITTED BY RADAR TRANSMITTERS ON THE ORIGINATION OF CATARACTS 3477+

POLEVOI, L. G.
COMPARATIVE ASSESSMENT OF THE EFFICACY OF SEDUXEN AND CYCLODOL, AND THEIR COMBINATION WITH THE ELECTROPULSE ACTION FOR INCREASING THE RESISTANCE TO EXPERIMENTALLY 0101

POLIAKOV, A. N.
EFFECT OF IMPULSE ELECTRICAL CURRENT ON REPARATIVE REGENERATION OF THE BONE TISSUE (IN RUSSIAN) 2075

POLISH PEOPLES REP.
SAFETY AND HYGIENE (RADIOFREQUENCY-MICROWAVE) 2999+

POLK, C.
SOURCES, PROPAGATION, AMPLITUDE AND TEMPORAL VARIATION OF EXTREMELY LOW FREQUENCY (0-100 HZ) EM FIELDS 1663+

INFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, AND BEHAVIOR IN DOMESTIC BIRDS, PHASE I: CONTINUOUS WAVE 1786

EXPOSURE OF DOMESTIC FOWL TO ELF ELECTRIC AND MAGNETIC FIELDS 2180

EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS IN DOMESTIC BIRDS 3134

POLLAK, M.
EVIDENCE FOR ELECTRICALLY INDUCED PARTIAL STRAND SEPARATION OF DNA 2225+

POLSON, P.
MORTALITY IN RATS EXPOSED TO CW MICROWAVE RADIATION AT 0.95, 2.45, 4.54, AND 7.44 GHZ 1388+
A MICROWAVE EXPOSURE SYSTEM FOR PRIMATES 2741

POLUKHINA, E. I.
THE EFFECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF THE HYPOTHALAMIC-HYPOPHYSIS-ADRENAL CORTEX SYSTEM 1447
THE EFFECTS OF INTERMITTENT AND CONTINUOUS RADIATION ON THE FUNCTIONAL STATE OF THE ADRENAL MEDULLA 1448

POLYAKOV, A. N.
EFFECT OF A PULSED ELECTRIC CURRENT ON THE COURSE OF REPARATIVE OSTEOGENESIS 2822

POLYASHCHUK, L. V.
CHANGES IN PERMEABILITY OF HISTO-HEMATIC BARRIERS UNDER THE EFFECT OF MICROWAVES 1992+

PONIZOVSKII, V. M.
ALTERNATING MAGNETIC FIELD EFFECT UPON HEALING OF ULCERS OF THE LOWER EXTREMITIES (IN RUSSIAN) 2719

PONTA, D.
CYTOFLUOROMETRY OF ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENTIATION (IN JAPAN) 0068

PONTE, L.
THE MENACE OF ELECTRIC SMOG. 0385+

POO, M.
ELECTROPHORESIS OF CONCANAVALIN A RECEPTORS ALONG EMBRYONIC MUSCLE CELL MEMBRANE 1837+

POPESCU, H. I.
GONADIC FUNCTION IN WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES 1318

POPOV, S. M.
LIGHTNING PROTECTION OF 750-1150 KV TRANSMISSION LINES 3590

POPOVA, A. M.
STREPTOMYCIN RESORPTION FROM THE PLEURA UNDER THE EFFECT OF INDUCTOTHERMY CURRENTS (IN UKRAINIAN) 2599+

POPOVIC, P.
LOCALIZED EMBEDDING OF LABELLED MICROSPHERES BY MICROWAVE HEATING IN TISSUES OF HYPOTHERMIC DOGS. 0434

POPOVIC, V.
LOCALIZED EMBEDDING OF LABELLED MICROSPHERES BY MICROWAVE HEATING IN TISSUES OF HYPOTHERMIC DOGS. 0434+

POPOVIC, V. P.
SELECTIVE EM HEATING OF TUMORS IN ANIMALS IN DEEP HYPOTHERMIA 1957
ENHANCEMENT OF CANCER CHEMOTHERAPY BY SELECTIVE ELECTROMAGNETIC HEATING OF TUMORS 3393

POPOVICH, V. M.
EFFECTS OF EM ENERGY OF INDUSTRIAL FREQUENCY ON THE HUMAN AND ANIMAL NERVOUS SYSTEM 2711+

POPPERNDIEK, H. F.
THERMAL CONDUCTIVITY MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL FLUIDS AND TISSUES 3542+

PORATH-FUREDI, A.
PHENOMENON OF MIGRATION AND SEDIMENTATION OF ERYTHROCYTES INDUCED BY MAGNETIC FIELDS 0089+

PORSCHKE, D.
THRESHOLD EFFECTS OBSERVED IN CONFORMATION CHANGES INDUCED BY ELECTRIC FIELDS 0690+

PORT, C. D.
SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS 1754

PORTELA, A.
TRANSIENT EFFECTS OF LOW-LEVEL MICROWAVE IRRADIATION ON BIOELECTRIC MUSCLE CELL PROPERTIES AND ON WATER PERMEABILITY AND ITS DISTRIBUTION 0874+

PORTEOUS, D. D.
ON STEM-CELL RECOVERY AFTER IRRADIATION 0843+

PORTER, C.
CYTOGENETIC EFFECTS OF MICROWAVE RADIATION ON CHINESE HAMSTERS 3056

PORTER, C. S.
EXTENSION OF THE 'THIN-SAMPLE METHOD' FOR THE MEASUREMENT OF INITIAL COMPLEX PERMEABILITY AND PERMITTIVITY. 3337

PORTER, G.
ACCELERATED DRYING OF PLASTER CASTS WITH A MICROWAVE OVEN 2849

PORTER, W. P.
THERMAL RADIATION IN METABOLIC CHAMBERS. 3224+

POSCH, N. A.
STUDIES ON MAGNETIC FIELD EXPOSURES OF DROSOPHILA MELANOGASTER AND PELVETIA FASTIGIATA 2563+

POSTMES, T. J.
AN ELECTRONIC METHOD FOR MEASURING THE HEART FREQUENCY OF THE WATERFLEA: DAPHNIA PULEX 1720+

POSTOW, E.
THE EFFECTS OF LOW POWER DENSITY MICROWAVES ON RAT HYPOTHALAMIC TEMPERATURES 0220
WORKSHOP ON SOURCES AND SAFE LEVELS OF ELECTRIC AND MAGNETIC FIELDS 1681

POTAPOV, S. L.
RESTORATIVE PROCESSES IN BONE MARROW IN RESPONSE TO SUPERHIGH FREQUENCY RADIATION 1484+

POTRIER, B.
A COMPARATIVE STUDY OF THE CORONA OERFORMANCE OF CONDUCTOR BUNDLES FOR 1200 KV TRANSMISSION LINES 3565

POTSCHKAT, G.
DANGER PROBLEMS DERIVING FROM EMR IN THE VICINITY OF HIGH-POWER TRANSMITTERS (IN GERMAN) 2712+

POWELL, C. H.
FIELD MEASUREMENT OF ULTRAVIOLET, INFRARED, AND MICROWAVE ENERGIES 0687
HEALTH SURVEILLANCE OF MICROWAVE HAZARDS 0712+
EVALUATION AND CONTROL OF EXPOSURES IN REPAIRING MICROWAVE OVENS 0714
A REVIEW OF INTERNATIONAL MICROWAVE EXPOSURE GUIDES 0771

POZNANIAK, D. T.
BIOLOGICAL EFFECTS OF HIGH-INTENSITY 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS AND ANIMALS 2791+
ENVIRONMENTAL IMPACT OF 60-HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS 2833

POZOS, R. S.
NONUNIFORM BIOPHYSICAL HEATING WITH MICROWAVES 1528+

PRASAD, K.
FREQUENCY-DEPENDENT CHANGES IN THE CARDIAC SARCOLEMMAL ATPASE 1841

PRAUSNITZ, S.
NONTHERMAL EFFECTS OF MICROWAVE RADIATION: EXPERIMENTS WITH LABORATORY ANIMALS 2292+
EFFECTS OF CHRONIC MICROWAVE IRRADIATION ON MICE 2294+
EFFECTS OF CHRONIC MICROWAVE IRRADIATION ON MICE. 2896+

PRESKORN, S. H.
RETARDED TUMOR GROWTH AND GREATER LONGEVITY IN MICE AFTER FETAL IRRADIATION BY 2450-MHZ MICROWAVES 0026+

PRESMAN, A. S.
EM SIGNALS IN LIVING NATURE: FACTS, HYPOTHESES, DIRECTIONS OF RESEARCH 0929+
ELECTROMAGNETIC FIELDS AND LIFE 2247+
THE ROLE OF EM FIELDS IN PHYSIOLOGICAL PROCESSES 2564+
METHODS OF EXPERIMENTALLY IRRADIATING SMALL ANIMALS WITH CENTIMETRE WAVES 3445+
NONTHERMAL ACTION OF MICROWAVES ON CADIAC RHYTHM 3469+

PRESTON, E.
PERMEABILITY OF THE BLOOD-BRAIN BARRIER TO MANNITOL IN THE RAT FOLLOWING 2450 MHZ MICROWAVE IRRADIATION 0313+

PRETTYMAN, G. D.
A PRIMATE RESTRAINT CHAIR FOR USE IN MICROWAVE RADIATION STUDIES 1218

PRICE, R. R.
THE EFFECT OF ELECTRICAL STIMULATION ON THE BIOPHYSICAL PROPERTIES OF FRACTURE HEALING 2241

PRIESTER, W. A.
NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE 2889

PRIETO, A.
A WESTERN VIEW OF ACUPUNCTURE 1895

PRINCE, E. T.
EM PULSE RADIATION: A POTENTIAL BIOLOGICAL HAZARD? 0611

PRINCE, J. E.
CYTOLOGIC ASPECT OF RF RADIATION IN THE MONKEY 2030+

PRIORE, A.
EFFECT OF MAGNETIC FIELDS COMBINED WITH EM WAVES ON TRYPANOSOMATIC ORCHITIS OF THE RABBIT 0866
EXPERIMENT ON THE CORRELATION BETWEEN THE COURSE OF ACTION OF TRYPANOSOMA EQUIPERDUM, AND THE ACTION OF PULSED AND MODULATED EM WAVES (IN FRENCH) 0959
STIMULATION, BY PHYSICAL MEANS, OF THE DEFENSES OF THE MOUSE AND RAT AGAINST EXPERIMENTAL TRYPANOSOMA 1773
ACTION OF A MAGNETIC FIELD COMBINED WITH EM WAVES ON THE EXPERIMENTAL TRYPANOSOMES OF THE RABBIT 1774
ACTION OF EM WAVES AND MAGNETIC FIELDS ON LIPID MODIFICATIONS BROUGHT ON IN THE RABBIT BY THE ADMINISTRATION OF AN ALIMENTARY HYPERCHOLESTEROL REGIME (IN FRENCH) 1775

PRIOU, A.
NON-PERTURBING MICROPROBES FOR MEASUREMENT IN EM FIELDS 1142

PRITCHARD, R.
SPURIOUS RADIATION FROM MICROWAVE OVENS. 0347

PROKHVATILO, Y. V.
BIOLOGICAL ACTION OF AN INDUSTRIAL FREQUENCY (50 HZ) ELECTRIC FIELD. 0436
REACTION OF THE ENDOCRINE SYSTEM TO THE EFFECT OF EM FIELD OF INDUSTRIAL FREQUENCY (50 HZ) 2031+
REDUCTION OF FUNCTIONAL CAPACITIES OF THE HEART UNDER CONDITIONS OF EFFECT OF EM FIELD OF INDUSTRIAL FREQUENCY ON THE BODY 2713+

PROSKURIAKOV, I. I.
EFFECT OF MAGNETIC FIELD ON THE RECOMBINATION FLUORESCENCE OF PHOTOSYNTHETIC BACTERIA (IN RUSSIAN) 0032

PRUCHA, R. V.
HUMAN THERMAL LOADING BY EXPOSURE TO EMISSIONS FROM A MICROWAVE OVEN 1151+

PRUITT, B. A.
THE PATHOPHYSIOLOGY OF ACUTE ELECTRIC INJURIES 2321

PRYTKOVA, T. N.
INHIBITING ACTION OF ELECTRIC FIELD ON ESCHERICHIA COLI (IN RUSSIAN) 1634

PUCAK, G. J.
EFFECTS OF PROLONGED HIGH TEMPERATURE ON TESTICULAR DEVELOPMENT AND FERTILITY IN THE MALE RAT 2890+

PULLEN, F. D.
'COMMENTS ON 'THE RADIO INTERFERENCE FIELD OF AN OVERHEAD TRANSMISSION LINE'' 3018+

PULVERER, G.
INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND COLCEMIDE 2753

PUNTENNEY, D.
MICROWAVE DOSIMETRY 0654

PURD'HOMME-LALONDE, L. E.
EFFECTS OF 2450 MHZ MICROWAVES ON MOUSE TESTICULAR CYTOLOGY 2894

PURDY, J. A.
MAGNETIC ENHANCEMENT OF ELECTRON DOSE DISTRIBUTION IN A PHANTOM 2537

PURSER, P.
THE USE OF 2450 MHZ OF MICROWAVE IN CANCER THERAPY. 0170

PUTTHOFF, D. L.
DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER 2738+
DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER. 2897+

PYLE, S. D.
THRESHOLD EFFECTS OF MICROWAVE RADIATION ON EMBRYO CELL SYSTEMS 1090+

Q

QUAN, K. C.
HAZARDS OF MICROWAVE RADIATIONS 0547+

QUARLES, H. D.
THE EFFECTS OF ELECTRICAL POWER TRANSMISSION RIGHTS- OF-WAY ON SMALL MAMMAL DISTRIBUTION, DIVERSITY, AND COMMONITY STRUCTURE. 0184+

QUINLAN, W. J.
EFFECTS OF EMR ON PHYSIOLOGIC RESPONSES 0533

R

RABINOVITCH, B.
ENZYME-SUBSTRATE REACTIONS IN VERY HIGH MAGNETIC FIELDS. I 2118+

RABINOWITZ, J. R.
POSSIBLE MECHANISMS FOR THE BIOMOLECULAR ABSORPTION OF MICROWAVE RADIATION WITH FUNCTIONAL IMPLICATIONS 1022+
THE DESCRIPTION OF A SYSTEM TO IRRADIATE CELLS IN CULTURE WITH MICROWAVES 2673+

RADEMAKER, H.
MAGNETIC FIELD-INDUCED INCREASE OF THE YIELD OF (BACTERIO) CHLOROPHYLL EMISSION OF SOME PHOTOSYNTHETIC BACTERIA AND OF CHLORELLA VULGARIS. 0185+
ON THE MAGNETIC FIELD DEPENDENCE OF THE YIELD OF THE TRIPLET STATE IN REACTION CENTERS OF PHOTOSYNTHETIC BACTERIA 2401

RADZISZEWSKI, E.
A SPECIFIC EFFECT OF THE BIOLOGICAL IMPACT OF MICROWAVES 3430

RAFA E.
STUDIES ON THE EXPOSURE OT ELECTROMAGNETIC FIELDS IN THE COURSE OF HEAT TREATMENT OF METALS BY MEDIUM- HIGH-FREQUENCY CURRENTS (IN RUM) 3409

RAFAILA, E.
GONADIC FUNCTION IN WORKMEN WITH LONG-TERM EXPOSURE TO MICROWAVES 1318

RAGAN, H. A.
HEMATOLOGIC EFFECTS IN MICE EXPOSED TO PULSED AND CW MICROWAVES. 0206+

RAI, P. S.
LETHAL EFFECTS OF RADIOFREQUENCY ENERGY ON EGGS OF TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) 0985+
SPERMATOZOAN ACTIVITY AND INSEMINATION IN TENEBRIO MOLITOR FOLLOWING RADIOFREQUENCY ELECTRICAL TREATMENT (COLEOPTERA: TENEBRIONIDAE) 1927+
MORPHOLOGICAL CHANGES IN ADULT TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) RESULTING FROM RADIOFREQUENCY OR HEAT TREATMENT OF LARVAE OR PUPAE 1976+

RAJOTTE, R. V.
APPLICATIONS OF MICROWAVE THAWING TO THE RECOVERY OF DEEP FROZEN CELLS AND ORGANS: A REVIEW 0680
MICROWAVE THAWING OF CELLS AND ORGANS 1260

RAKOV, A. I.
THE STATE OF HEALTH OF PERSONS WORKING IN THE ELECTRIC FIELD OF OUTDOOR 400 AND 500 KV SWITCHYARDS 3586

RAKOV, A. N.
THE HEALTH STATUS OF PEOPLE WORKING IN THE ELECTRIC FIELD OF OPEN 400-500 KV SWITCHING STRUCTURES 3087

RALL, D. P.
SOVIET-AMERICAN COOPERATION IN ENVIRONMENTAL HEALTH SCIENCE 0274

RAMAKRISHNAN, K. P.
MICROWAVE INTERFERENCE WITH THE FUNCTION OF AN IMPLANTED CARDIAC PACEMAKER 0260

RAMEL, C.
EVALUATION OF GENETIC RISKS OF ENVIRONMENTAL CHEMICALS 3027+

RAMZEN-YEVDIKIMOV, I. G.
DIAGNOSIS AND TREATMENT OF NEUROPSYCHIC DISTURBANCES 2264+

RANADE, S. S.
EFFECTS OF NON-IONIZING AND IONIZING RADIATIONS ON THE TRANSFORMING ABILITY OF E. COLI DNA 2467+

RAND, R. W.
MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA 1963

RANDALL, J. E.
POSSIBLE INDUSTRIAL HAZARDS IN THE USE OF MICROWAVE RADIATION 0497

RANGHIASCI, C.
ELECTROMAGNETIC FIELDS IN THE VICINITY OF RADAR THERAPY EQUIPMENT (IN ITALIAN) 0077
RADIATION LEAKAGE CONTROL OF A RADIOFREQUENCY INDUSTRIAL SYSTEM 2055

RAPP, T. L.
OR RF: THE SECOND FACTOR. 2924

RASHID, A.
MATHEMATICS OF INTERACTION BETWEEN BLOOD AND EM FIELDS 1655+

RASMUSON, A.
A NEGATIVE TEST FOR MUTAGENIC ACTION OF MICROWAVE RAD. IN DROSOPHILA MELANOGASTER 0368

RASMUSON, B.
A NEGATIVE TEST FOR MUTAGENIC ACTION OF MICROWAVE RAD. IN DROSOPHILA MELANOGASTER 0368

RATCLIFFE, P. G.
THE DISTRIBUTION OF THE POPULATION OF THE CONTINENTAL UNITED STATES, CANADA AND MEXICO WITHIN VARIOUS DISTANCES FROM 1361 TELEVISION MARKET CENTERS 3498

RATHBURN, L. A.
COMPARISON OF DEEP HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES 3544

RATLIFF, J. A.
MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 1778
THERMAL RESPONSES TO HIGH-FREQUENCY EMR FIELDS 1779
MEASUREMENT OF RADIOFREQUENCY POWER ABSORPTION IN MONKEYS, MONKEY PHANTOMS, AND HUMAN PHANTOMS EXPOSED TO 10-50 MHZ FIELDS 2190

RAVEN, P. B.
MAN'S PHYSIOLOGIC RESPONSE TO LONG-TERM WORK DURING THERMAL AND POLLUTANT STRESS. 2916

RAWLS, O. B.
RF RADIATION HAZARDS 3480+

RAWLS, W. C.
THE MAGNETIC BLUEPRINT OF LIFE 0367

RAYMOND, R.
LOW INTENSITY MICROWAVE RADIATION AND THE VIRULENCE OF AGROBACTERIUM TUMEFACIENS STRAIN B6 0022

RAYTHEON COMPANY
SATELLITE SOLAR POWER STATION: AN OPTION FOR POWER GENERATION 2951

RE, G. G.
EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (1) EFFECTS ON THE PROPORTION OF THE DIFFERENT LEUCOCYTE TYPES 3128
EXPOSURE OF MAMMALIANS TO STRONG 50 HZ ELECTRIC FIELDS (2) EFFECTS ON HEART'S AND BRAIN'S ELECTRICAL ACTIVITY 3129

REAL, R. R.
IMMERSION ULTRASONIC BRAIN EXAMINATION -360 DEGREE COMPOUND SCAN. 3377

REBEYROTTE, N.
EFFECTS OF EMR OF MILLIMETRIC WAVELENGTH ON BACTERIAL GROWTH 1650

REBROV, V. G.
EXPERIENCE WITH DECIMETER WAVE THERAPY AS PART OF COMPREHENSIVE TREATMENT FOR PATIENTS WITH PEPTIC ULCER 2804

RECHEN, H. J.
REPT. OF PRELIMINARY MEASUREMENTS OF EM RADIATION FIELDS NEAR MICROWAVE OVENS 0571

REDDING, F. K.
MICROWAVE-EVOKED BRAINSTEM POTENTIALS IN CATS 0371

REDDING, J. S.
DEFIBRILLATION 1880

REDDY, M. M.
LACK OF EFFECT OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 1171

REED, E. J.
A STUDY OF THE BIOLOGICAL EFFECTS OF CERTAIN ELF EM FIELDS 0991
BIOLOGICAL IMPACT OF SMALL AIR IONS 1898

REED, J. R.
MICROWAVE IRRADIATION OF THE ISOLATED RAT HEART AFTER TREATMENT WITH ANS BLOCKING AGENTS 2749+

REFSHAUGE, W. D.
MICROWAVE OVENS: A POTENTIAL RISK TO PATIENTS WITH CARDIAC PACEMAKERS 3579+

REG. OFF. FOR EUROPE
HEALTH EFFECTS OF IONIZING AND NONIONIZING RADIATION 3090+

HEALTH HAZARDS FROM EXPOSURE TO MICROWAVES
3092 +

REGE, D. V.
EFFECTS OF NON-IONIZING AND IONIZING RADIATIONS ON THE TRANSFORMING ABILITY OF E. COLI DNA
2467

REGELSON, W.
PULSED RADIOWAVE (27.12 MHZ) EFFECTS ON IN VIVO AND IN VITRO TUMOR GROWTH
1162

BIOLOGICAL ACTIVITY ASSOCIATED WITH PULSED HIGH FREQUENCY RADIATION (27.12MHZ)
2203

REGESTEIN, Q. R.
A CASE OF PROLONGED, REVERSIBLE DEMENTIA ASSOCIATED WITH ABUSE OF ELECTROCONVULSIVE THERAPY
1311 +

REHNBERG, G. L.
EFFECTS OF MICROWAVES ON OPTICAL ACTIVITY
1534 +

REICHMANIS, M.
SOME EFFECTS OF HIGH ELECTRICAL FIELDS ON BARLEY GROWTH
1978

REID, J. M.
INTERACTION OF ULTRASOUND AND BIOLOGICAL TISSUES: PROCEEDINGS OF A WORKSHOP
3081 +

REIDER, D. R.
POSSIBLE CATARACTOGENIC EFFECTS OF RADIOFREQUENCY RADIATION
1313 +

REINER, R.
POSSIBLE INFLUENCE OF ATMOSPHERIC ELECTRICITY ON WELL-BEING (IN GERMAN)
1627 +

REISBERG, R. B.
EXTREMELY LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIVER ENYZMES OF RATS
1782

CHANGES IN RATE OF GROWTH, AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS
2549

REISSE, J.
A REPLY TO THE CONCEPT OF CANCER TREATMENT BY NMR
0852 +

REITE, M.
HUMAN MAGNETIC AUDITORY EVOKED FIELDS.
0187 +

THE HUMAN MAGNETOENCEPHALOGRAM: SOME EEG AND RELATED CORRELATIONS
2462 +

REITER, L. W.
EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS REPORT
0257

REMARK, D.
SURVEY OF DIATHERMY EQUIPMENT USE IN PINELLAS COUNTY, FLORIDA
3097 +

REMARK, D. G.
REPT. OF PRELIMINARY MEASUREMENTS OF EM RADIATION FIELDS NEAR MICROWAVE OVENS
0571

REMOND, A.
WORKSHOP ON BIOLOGICAL EFFECTS OF ELECTRIC CURRENTS: ELECTRICAL STIMULATION AND THERAPY
1682

RENO, V. R.
SOME CONSIDERATIONS CONCERNING THE USE OF MAGNETRON GENERATORS IN MICROWAVE BIOLOGICAL RESEARCH
0691 +

MICROWAVE REFLECTION DIFFRACTION AND TRANSMISSION BY MAN
0824 +

MICROWAVE REFLECTION AND DIFFRACTION BY MAN
0884

MICROWAVE ENERGY DISTRIBUTION MEASUREMENTS IN PROXIMITY TO MAN AND THEIR PRACTICAL APPLICATION
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A PRIMATE RESTRAINT CHAIR FOR USE IN MICROWAVE RADIATION STUDIES
1218 +

A PRIMATE-RESTRAINT DEVICE FOR USE IN MICROWAVE BIOLOGICAL RESEARCH
1951 +

MAGNETIC FIELDS AND MAN: WHERE DO WE STAND TODAY?
2098

CONDUCTION VELOCITY IN NERVE EXPOSED TO A HIGH MAGNETIC FIELD
2565 +

REPACHOLI, M. H.
MICROWAVE AND RADIOFREQUENCY PROTECTION STANDARDS
0106

CONTROL OF MICROWAVE EXPOSURE IN CANADA
0115 +

RECOMMEND SAFETY PROCEDURES FOR THE INSTALLATION AND USE OF RADIOFREQUENCY AND MICROWAVE DEVICES IN THE FREQUENCY RANGE 10 MHZ - 300 GHZ
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CONTROL OF NON-IONIZING RADIATION EMITTING DEVICES IN CANADA
2058 +

EMISSION AND EXPOSURE STANDARDS FOR MICROWAVE RADIATION
2380 +

MICROWAVE BIOEFFECTS AND RADIATION SAFETY., M.A. STUCHLY, EDITOR
2920

RESWICK, J. B.
FUNCTIONAL ELECTRICAL STIMULATION
0078

REVZIN, A.
CONFORMATION CHANGES IN RIBOSOMAL RNA INDUCED BY ELECTRIC IMPULSES
1386 +

REXFORD-WELCH, S. C.
THE PRACTICE OF MICROWAVE RADIATION SAFETY
1152 +

REYDER, B. S.
ON THE EFFECT OF THE ULTRAHIGH FREQUENCY FIELD ON CERTAIN PATHOGENIC MICROORGANISMS
1506 +

REYNOLDS, D. C.
THE EFFECT OF PULSED, SHORT WAVES ON ALVEOLAR HEALING
0512

REZENKINA, L. D.
STATE OF IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS. (IN RUS.)
0162

RHEIN, R. W.
MICROWAVES INHIBIT TUMOR INDUCTION
1970 +

RHINE, J. J.
FACTORS INFLUENCING EFFECTIVENESS OF RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED-GRAIN INSECT CONTROL
0983

RHODES, L. C.
THE UTILIZATION OF DIAPULSE THERAPY AS AN ADJUNCTIVE TREATMENT IN ORAL SURGERY
1807 +

RICE, L. P.
RADIO TRANSMISSION INTO BUILDINGS AT 35 AND 150 MC
3525 +

RICE, R. F.
SURVEY OF RADIO FREQUENCY RADIATION HAZARDS
3572

RICHARDSON, A. W.
EXPERIMENTAL LENTICULAR OPACITIES PRODUCED BY MICROWAVE IRRADIATIONS
0548 +

HISTOPATHOLOGIC CHANGES IN RAT LIVER FOLLOWING 2450 MHZ MICROWAVE RADIATION
1314

REVIEW OF WORK CONDUCTED AT ST. LOUIS U. SCHOOL OF MED.
1473 +

NONUNIFORM BIOPHYSICAL HEATING WITH MICROWAVES
1528

STUDIES CONCERNED WITH BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATIONS OF DIFFERENT FREQUENCIES
2520 +

RICHARDSON, N. E.
PERCEPTION AND EFFECTS ON LOCOMOTOR ACTIVITY IN AMERICAN EELS AND ATLANTIC SALMON OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS
1783

RICHARDSON, R. L.
EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS: A FEASIBILITY STUDY
0738

RICHMOND, J. H.
THE WKB SOLUTION FOR TRANSMISSION THROUGH INHOMOGENEOUS PLANE LAYERS.
3356+

RICKETTS, C. R.
NONIONIZING RADIATIONS
0270+
EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 2: EFFECT OF THE RADIATION ON SKIN BIOCHEMISTRY
0452
EFFECT OF MICROWAVES AT X-BAND ON GUINEA-PIG SKIN IN TISSUE CULTURE, PART 3: EFFECT OF PULSED MICROWAVES ON SKIN RESPIRATION AND BIOCHEMISTRY
0453

RIDDLE, M. M.
EVALUATION OF LYMPHOCYTE FUNCTION IN MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES
0279

RIESEN, W. H.
A PILOT STUDY OF THE INTERACTION OF EXTREMELY LOW FREQUENCY EM FIELDS WITH BRAIN ORGANELLES
0799+

RIGGS, R. J.
CONTROL MECHANISMS AND THE ACTION OF WEAK ELECTRIC CURRENTS IN THE ACCELERATION OF WOUND HEALING AND FRACTURE UNION
1825

RINALDI, R.
UPTAKE OF TRITIATED THYMIDINE DURING ELECTRICAL STIMULATION OF INDUCED CORTICAL BONE DEFECTS
2233+
CLINICAL AND ULTRASTRUCTURAL INVESTIGATIONS OF ELECTRICAL ENHANCEMENT OF BONE HEALING
2244

RINALDI, R. A.
ELECTRIC ENHANCEMENT OF BONE HEALING
1832

RINGLEB, D.
MICROWAVES IN RADIOTHERAPY OF TUMORS--ALTERNATIVE TO HEAVY PARTICLES?
0906

RIOCH, D.
EFFECTS OF MICROWAVE IRRADIATION ON EMBRYONIC BRAIN TISSUE
2863+

RIOCH, D. M.
EFFECTS OF MICROWAVE IRRADIATION ON EMBRYONIC BRAIN TISSUE
0905+

RISH, W. R.
REGULATING POSSIBLE HEALTH EFFECTS FROM AC TRANSMISSION LINE ELECTROMAGNETIC FIELDS.
0375+

RISSMAN, P.
TALKING TO OURSELVES
2937

RISSMANN, W. J.
MICROWAVE HEATING IN ANIMALS AT 3.0 GHZ
2152

RITSON, D. M.
DIELECTRIC PROPERTIES OF AQUEOUS IONIC SOLUTIONS,PART I.
3197
THE DIELECTRIC PROPERTIES OF WATER AND HEAVY WATER
3439

RIVERA, D.
THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450-MHZ MICROWAVES
2747
THERMAL AND ENDOCRINOLOGICAL EFFECTS OF PROTRACTED IRRADIATION OF RATS BY 2450 MHZ MICROWAVES
2901

RIVERS, W. K.
THE EFFECT OF LOW ENERGY, EXTREMELY LOW FREQUENCY (ELF) EMR ON OPERANT BEHAVIOR IN THE PIGEON AND THE RAT
1757

RIVIERE, J.
EFFECT OF MAGNETIC AND ELECTRIC FIELDS ON THE GROWTH AND RATE OF MUTATIONS OF VARIOUS MICRO-ORGANISMS
1593+

RIVILIER, J.
STUDY OF FLUCTUATIONS OF THE ELECTRIC FIELD IN ITS RELATIONSHIPS WITH HIBERNATING SUBJECTS ON KERGUELEN (IN FRENCH)
2843

ROACH, J. F.
EXPERIMENTAL OXIDANT PRODUCTION RATES FOR EHV TRANSMISSIONS LINES AND THEORETICAL ESTIMATES OF OZONE CONCENTRATING NEAR OPERATING LINES
3113+

ROBERT, D.
PRELIMINARY STUDY OF THE CUMULATIVE EFFECT OF MICROWAVE RADIATION (2,450 MHZ) ON THE IMMUNE RESPONSE OF THE MOUSE
0312+

ROBERT, J.
MILLIMETER-WAVE THERMOGRAPHY: APPLICATION TO BREAST CANCER.
0234
MILLIMETER-WAVE THERMOGRAPHY: PRELIMINARY CLINICAL FINDINGS IN HEAD AND NECK DISEASES
0271+

ROBERTI, B.
PRELIMINARY INVESTIGATIONS OF THE EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RATS
1093+

ROBERTS, A. M.
MOTION OF PARAMECIUM IN STATIC ELECTRIC AND MAGNETIC FIELDS
3489+

ROBERTS, J. E.
DENSITY, FAT, WATER AND SOLIDS IN FRESHLY ISOLATED TISSUES
0444

MICROWAVES IN MEDICAL AND BIOLOGICAL RESEARCH
0549+

ROBERTS, P. C.
VIABILITY STUDIES ON ASCOPORES AND VEGETATIVE CELLS OF SACCHAROMYCES CEREVISIAE EXPOSED TO MICROWAVES AT 2450 MHZ
2355+

ROBERTS, S.
A NEW METHOD FOR MEASURING DIELECTRIC CONSTANT AND LOSS IN THE RANGE OF CENTIMETER WAVES.
3333+

ROBERTSON, D. W.
ELECTROMAGNETIC FIELD PROBES
3532

ROBINETTE, C. D.
CAUSES OF DEATH FOLLOWING OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION (RADAR) 1950-1974
2681+

ROBINSON, J. E.
TECHNIQUES FOR UNIFORM AND REPLICABLE MICROWAVE HYPERTHERMIA OF A MODEL MOUSE CARCINOMA
0046+
BOLUS FOR MICROWAVE HEATING OF TISSUES.
0154
THERMAL ANALYSIS AND DESIGN CONSIDERATIONS FOR A DUEL-BEAM MICROWAVE APPLICATOR FOR HYPERTHERMIA RESEARCH.
0156
A MICROWAVE HEATING SYSTEM FOR IMPROVING TEMPERATURE UNIFORMITY IN HEATED TISSUE.
0238
SIMULTANEOUS FAR-FIELD IRRADIATION OF MULTIPLE MOUSE TUMORS FOR MICROWAVE HYPERTHERMIA.
0322
METHODS OF INDUCING HYPERTHERMIA AND ITS MEASUREMENT:
0339+
MICROWAVE HEATING OF MALIGNANT MOUSE TUMORS AND TISSUE EQUIVALENT PHANTOM SYSTEMS
1116+
A BOLUSING TECHNIQUE FOR BATCH MICROWAVE IRRADIATION OF TUMORS IN THE FAR FIELD
2453
MICROWAVE BOLUSING: A TECHNIQUE FOR IMPROVING HEATING UNIFORMITY FOR MICROWAVE HYPERTHERMIA
2528+
DUAL-BEAM TEM APPLICATOR FOR DIRECT-CONTACT HEATING OF DIELECTRICALLY ENCAPSULATED MALIGNANT MOUSE TUMOR
2739

ROBINSON, K. R.
ELECTROPHORESIS OF CONCANAVALIN A RECEPTORS ALONG EMBRYONIC MUSCLE CELL MEMBRANE
1837

ROBINSON, N.
HISTOCHEMICAL AND ULTRASTRUCTURAL ANALYSIS OF THE EFFECT OF EMR ON RAT LIVER AND BRAIN
2356+

ROBINSON, R. A.
SURVEY OF USE AND PERFORMANCE OF ULTRASONIC THERAPY

EQUIPMENT IN PINELLAS COUNTY, FLA. 0638

ROBISON, G. A.
CYCLIC ADENOSINE MONOPHOSPHATE IN BRAIN AREAS: MICROWAVE IRRADIATION AS A MEANS OF TISSUE FIXATION 0716
CYCLIC AMP IN BRAIN AREAS: EFFECTS OF AMPHETAMINE AND NOREPINEPHRINE ASSESSED THROUGH THE USE OF MICROWAVE RADIATION AS A MEANS OF TISSUE FIXATION 2517

ROBITAILLE, P.
SURVIVAL OF CANINE KIDNEYS AFTER TREATMENT WITH DIMETHYLSULFOXIDE, FREEZING AT -80 DEGREES CELSIUS, AND THAWING BY MICROWAVE ILLUMINATION 2698

ROCKWELL, S.
INFLUENCE OF A 1400-GAUSS MAGNETIC FIELD ON THE RADIOSENSITIVITY AND RECOVERY OF EMT6 CELLS IN VITRO 2032+

RODAN, G. A.
EPIPHYSEAL CARTILAGE CYCLIC AMP CHANGES PRODUCED BY ELECTRICAL AND MECHANICAL PERTURBATIONS 2777

ROE, J. M.
INTEGRATED CIRCUIT ELECTROMAGNETIC SUSCEPTIBILITY INVESTIGATION - PHASE III 3139+

ROESCH, W. C.
FIELD EQUATIONS IN DOSIMETRY 3048

ROGERS, S. J.
RADIO HAZARDS IN THE M.F./H.F. BAND 0713+
RADIO FREQUENCY RADIATION HAZARDS TO PERSONNEL AT FREQUENCIES BELOW 30 MHZ 1549+
OXIDATION OF AMINO ACIDS BY SINGLET OXYGEN: I. COMPARISON OF DYE SENSITIZED PHOTOOXIDATION AND MICROWAVE GENERATED SINGLET OXIDATION 2046

ROGOT, E.
SEARCH FOR CORRELATION BETWEEN GEOMAGNETIC DISTURBANCES AND MORTALITY 1229

ROHL, D.
THE EFFECT OF RADAR ON CARDIAC PACEMAKERS 1316+

ROHL, D.
MICROWAVE OVENS (IN GERMAN) 1410+

ROKOTYAN, S.
GENERAL DIRECTION OF 750-1500 KV A.C. POWER-TRANSMISSION DEVELOPMENT AND UTILIZATION OF VARIOUS TYPES OF EQUIPMENT ON THESE POWER TRANSMISSIONS 3588

ROKOTYAN, S. S.
DEVELOPMENT OF EHV AND UHV SYSTEMS IN THE USSR 3582

ROLLWITZ, W. L.
REVIEW OF THE WORK CONDUCTED AT SOUTHWEST RESEARCH INST. ON THE USE OF ELECTRON PARAMAGNETIC RESONANCE TO EVALUATE THE CHEMICAL AND/OR PHYSICAL CHANGES IN THE LENSES OF EYES IRRADIATED BY MICROWAVES 1581+

ROLOFSON, J. W.
AN AUTOMATED BIO-INSULT RESEARCH FACILITY 2962

ROMAN, J.
RADIO FREQUENCY HAZARDS ABOARD NAVAL SHIPS 1565+

ROMANUSHKO, V. A.
ADRENOCORTICOTROPIC ACTIVITY OF THE HYPOPHYSIS UNDER THE EFFECT OF UHF-FIELD (IN RUSSIAN) 1637

ROMERO SIERRA, C.
THE PROPERTIES OF BIRD FEATHERS AS PIEZOELECTRIC TRANSDUCERS AND MICROWAVE RECEPTORS 2816

ROMERO-SIERRA, C.
BIOEFFECTS OF ELECTROMAGNETIC WAVES 0027+
MICROWAVE RADIATION-PATTERN MEASUREMENTS IN THE PRESENCE OF BIOLOGICAL SPECIMENS 0442
THE EFFECTS OF MICROWAVES ON BIRDS: PRELIMINARY EXPERIMENTS 0581
CHANGES OF MUSCLE ACTION IN BIRDS EXPOSED TO A MICROWAVE FIELD 0760
NON-THERMAL EFFECTS OF MICROWAVE RADIATION ON BIRDS 0761
EM FIELDS AND SKIN WOUND REPAIR 0904+
BENEFICIAL AND HARMFUL ACCELERATED GROWTH INDUCED BY THE ACTION OF NONIONIZING RADIATION 1048
BIOLOGICAL EFFECTS OF NONIONIZING RADIATION: AN OUTLINE OF FUNDAMENTAL LAWS 1051+
THE DESIGN OF A MONOPOLE RADIATOR TO INVESTIGATE THE EFFECT OF MICROWAVE RADIATION IN BIOLOGICAL SYSTEMS 1175
INTERACTION OF EM FIELDS AND LIVING SYSTEMS 1254+
BIRD FEATHERS AS SENSORY DETECTORS OF MICROWAVE FIELDS 1543
MICROWAVE RADIOMETRY AND ITS POTENTIAL APPLICATIONS IN BIOLOGY AND MEDICINE: EXPERIMENTAL STUDIES 1614
MICROWAVE RADIOMETRIC TECHNIQUES: A MEANS TO EXPLORE THE POSSIBLILITY OF COMMUNICATION IN BIOLOGICAL SYSTEMS 1669
SOME THEORY AND PRELIMINARY EXPERIMENTS ON MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS 1748
THE PROPERTIES OF BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION AT KU-BAND FREQUENCIES 1830
BIRD FEATHERS AS DIELECTRIC RECEPTORS OF RF FIELDS 1831
THE PROPERTIES OF BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION II. BIRD FEATHERS AS DIELECTRIC RECEPTORS OF MICROWAVE RADIATION 2218
COLOUR THERMOGRAPHY AND MICROWAVE RADIOMETRY: THEIR APPLICATION TO BIOLOGICAL SYSTEMS UNDER MICROWAVE RADIATION EXPOSURE 2291
THE PROPERTIES OF BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS AND AS RECEPTORS OF MICROWAVE RADIATION I. BIRD FEATHERS AS CONVERSE PIEZOELECTRIC TRANSDUCERS 2458
EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON GERMINATION AND GROWTH RATE IN CORN SEEDS 2692
RADIOFREQUENCY FIELDS: A NEW ECOLOGICAL FACTOR 3060

ROMMEL, S. A.
OCEANIC ELECTRIC FIELDS: PERCEPTION BY AMERICAN EELS? 1851+

RONDALL, R.
THERMAL CONDUCTIVITY MEASUREMENTS AND PREDICTIONS FOR BIOLOGICAL FLUIDS AND TISSUES 3542

ROOMI, M. W.
EM FIELDS AND SKIN WOUND REPAIR 0904

ROPE, E. L.
SCATTERED MICROWAVE FIELDS NEAR A FINITE, PLANAR, DIELECTRIC SLAB 2720

RORDEN, H. L.
BODY CURRENTS IN LIVE LINE WORKING 0974
BODY CURRENTS IN LIVE LINE WORKING 3015
BODY CURRENTS MEASURED IN LIVE LINE WORK 3100+
TESTS PROVE SHIELDING KEEPS LINEMEN SAFE WORKING EHV 3101

RORVIK, D. M.
DO THE FRENCH HAVE A CURE FOR CANCER? 1656+

ROSCIN, A. V.
INFLUENCE OF MICROWAVE RADIATION ON THE NERVOUS SYSTEM AND BEHAVIOR 0895
MAIN DIRECTIONS AND RESULTS OF RESEARCH CONDUCTED IN THE USSR ON THE BIOLOGIC EFFECTS OF MICROWAVES 1273

ROSE, H. A.
A PROGRAM FOR CALCULATION NEAR-ZONE GAIN OF PYRAMIDAL HORN ANTENNAE, BRH/DEP N71-3 3041

ROSE, M. F.
HIGH POWER PULSE TRANSMITTERS 0825+

ROSE, P. H.
UNDERGROUND POWER TRANSMISSION 3280+

ROSE, V. E.
HEALTH SURVEILLANCE OF MICROWAVE HAZARDS 0712
EVALUATION AND CONTROL OF EXPOSURES IN REPAIRING MICROWAVE OVENS 0714+
A REVIEW OF INTERNATIONAL MICROWAVE EXPOSURE GUIDES 0771

ROSENBAUM, F. F.
SYNCOPAL ATTACKS ARISING FROM ERRATIC DEMAND PACEMAKER FUNCTION IN THE VICINITY OF A TELEVISION TRANSMITTER 2004

ROSENBAUM, F. J.
FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0578
THE INSENSITIVITY OF FROG HEART RATE TO PULSE MODULATED MICROWAVE ENERGY 0844
ELECTRIC-FIELD DISTRIBUTION ALONG FINITE LENGTH LOSSY DIELECTRIC SLABS IN WAVEGUIDE 1645
THE RELATION OF TERATOGENESIS IN TENEBRIO MOLITOR TO THE INCIDENCE OF LOW-LEVEL MICROWAVES 1973
FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 2387
BIOLOGICAL EFFECTS OF MICROWAVES ON THE PUPAE OF TENEBRIO MOLITOR 2675

ROSENBERG, B.
QUANTITATIVE EVIDENCE FOR PROTEIN DENATURATION AS THE CAUSE OF THERMAL DEATH 3500+

ROSENBLUM, E. S.
TOTAL ATTENUATION FOR ONE-WAY TRANSMISSION THROUGH THE ATMOSPHERE GRAPH 3260+

ROSENFELD, J. P.
TONIC RETICULAR ACTIVATING SYSTEM: RELATIONSHIP TO AVERSIVE BRAIN STIMULATION EFFECTS 1955

ROSENSTEIN M.
RADIATION EXPOSURE OVERVIEW-MICROWAVE OVENS AND THE PUBLIC-OCS 69-1 3047+

ROSENSTEIN, L. S.
EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS REPORT 0257

ROSENTHAL, D. S.
HYPOGONADISM AFTER MICROWAVE RADIATION 0726+

ROSENTHAL, G.
PILOT ECOLOGICAL FIELD SURVEYS 1750

ROSENTHAL, G. M.
GERMINATION AND EARLY GROWTH OF SUNFLOWERS IN WEAK ELF EM FIELDS 1758+
SOIL MICROORGANISM POPULATION DYNAMICS IN WEAK ELF EM FIELDS 1771+
AN ECOLOGICAL SURVEY OF PLANTS EXPOSED TO ELF EM FIELDS 1772+

ROSENTHAL, S. H.
PHYSIOLOGIC EFFECTS OF CEREBRAL ELECTROTHERAPY CURRENTS 1676+

ROSENTHAL, S. W.
EFFECT OF MICROWAVES ON THE EYE 0449
EFFECT OF MICROWAVES ON THE RABBIT EYE 0675
ABSENCE OF HEART-RATE EFFECTS IN RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATION 0695
MICROWAVE AND INFRA-RED EFFECTS ON HEART RATE, RESPIRATION RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT 0921
PANEL DISCUSSION I: MICROWAVE MEASUREMENTS METHODS AND STANDARDS FOR BIOLOGICAL RESEARCH AND HAZARDS SURVEYS 1550+
EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE 2155+
OCULAR EFFECTS OF 35 AND 107 GHZ CW MICROWAVES 2440
BIOLOGICAL EFFECTS OF NONIONIZING RADIATION 3216+

ROSHCHIN, A. V.
INTERNATIONAL SYMPOSIUM ON 'BIOLOGICAL EFFECTS OF MICROWAVES AND HEALTH HAZARD' 1512+

ROSS, D. H.
THE LEVELS OF LABILE INTERMEDIARY METABOLITES IN MOUSE BRAIN FOLLOWING RAPID TISSUE FIXATION WITH MICROWAVE IRRADIATION 0810
THE EFFECTS OF 19 MEGACYCLE IRRADIATION ON MICE AND RATS 2181

ROSSI, H. H.
FIELD EQUATIONS IN DOSIMETRY 3048+

ROSSI, P.
LONG-TERM CONTROL OF MYOCARDIAL THRESHOLD MEASURED BY MEANS OF A RADIOFREQUENCY SYSTEM (RADIOCOR) DESIGNED FOR IMPLANTATION IN SERIES WITH ANY KIND OF PACEMAKER (IN ITALIAN) 2078+

ROTH, E. M.
MICROWAVE RADIATION 1776+

ROTH, H. H.
ELECTRICAL SAFETY IN HEALTH-CARE FACILITIES 2357+

ROTHE, R.
PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS FOLLOWING TWO LONG-TERM EXPOSURES OF MICE TO MICROWAVE FIELDS (IN GERMAN) 2708

ROTHMEIER, J.
EFFECT OF MICROWAVE RADIATION ON THE FROG SCIATIC NERVE 3192+

ROTKOVSKA, D.
EFFECT OF HIGH-FREQUENCY EM FIELD UPON HAEMOPOIETIC STEM CELLS IN MICE 0735+
THE EFFECT OF EMR ON THE HEMATOPOIETIC STEM CELLS OF MICE 1075+
MODIFICATION OF THE REPAIR OF RADIATION DAMAGE OF HAEMATOPOIESIS IN MICE BY MICROWAVES 1136+
NON-CONTACT DETERMINATION OF TEMPERATURE CHANGES IN MICE DURING MICROWAVE IRRADIATION 1695+
MODIFICATION OF REPAIR OF X-IRRADIATION DAMAGE OF HEMOPOIETIC SYSTEM OF MICE BY MICROWAVES 2801+

ROTKOVSKY, R.
NON-CONTACT DETERMINATION OF TEMPERATURE CHANGES IN MICE DURING MICROWAVE IRRADIATION 1695

ROUTTI, J. T.
WHAT QUALITY-FACTOR? 2931

ROWE, W. D.
AN ASSESSMENT OF ADVERSE HEALTH EFFECTS OF TELECOMMUNICATIONS TECHNOLOGY 0550+
EPA'S ROLE IN STANDARDS SETTING 3195+

ROWLEY, B. A.
THE INFLUENCE OF ELECTRICAL CURRENT ON AN INFECTING MICROORGANISM IN WOUNDS 2243+

ROWSON, B.

SPURIOUS RADIATION FROM MICROWAVE OVENS. 0347

ROY, O. Z.

INTRACARDIAC CATHETER FIBRILLATION THRESHOLDS AS A FUNCTION OF THE DURATION OF 60 HZ CURRENT AND ELECTRODE AREA 1520+

ROYCE, B. S.

FIELD-INDUCED TRANSPORT MECHANISMS IN HYDROXYAPATITE 2231+

ROZENFEL'D, M. A.

MICROCALORIMETRY OF THE PROCESSES OF COAGULATION IN NORMAL CONDITIONS AND AFTER EXPOSURE TO A CONSTANT MAGNETIC FIELD 0952

ROZZELL, T. C.

DISCUSSION PAPER: FIBEROPTIC LIQUID CRYSTAL PROBE FOR ABSORBED RADIO-FREQUENCY POWER AND TEMPERATURE MEASUREMENT IN TISSUE DURING IRRADIATION 1103

BIOLOGICAL RESEARCH FOR EXTREMELY LOW FREQUENCY COMMUNICATIONS SYSTEMS 1683+

LIQUID-CRYSTAL FIBEROPTIC RF PROBES, PART 1: TEMPERATURE PROBE FOR M/W FIELDS 1723

LIQUID-CRYSTAL FIBEROPTIC RF PROBES, PART 2: A MICROWAVE POWER PROBE 1724

A NONPERTURBING TEMPERATURE SENSOR FOR MEASUREMENTS IN EM FIELDS 1819+

PERFORMANCE OF THE LCOF PROBE IN CALORIMETRIC AND TISSUE TEMPERATURE MONITORING APPLICATIONS 2201

RUDDER, T.

TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION 2340

STUDIES CONCERNING THE POSTNATAL EFFECTS OF PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATION 2864

STUDIES CONCERNING THE EFFECTS OF PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN THE PREGNANT RAT 2865

TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION. 2881

RUDGE, A. W.

NEAR FIELD INSTRUMENTATION 0551+

RUDICHENKO, V. F.

THE INFLUENCE OF SUPERHIGH FREQUENCY RADIATION ON BRAIN MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION (IN RUSSIAN) 1404+

EFFECT OF ANENOSINE MONOPHOSPHORIC ACID ON OXIDATIVE PHOSPHORYLATION IN THE LIVER DURING PROLONGED EXPOSURE TO MICROWAVES (IN RUSSIAN) 1838+

RUDNEV, M. I.

STUDY OF NONIONIZING MICROWAVE RADIATION EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS 0277

DYNAMICS OF CHANGES IN AN ORGANISM'S BEHAVIORAL REACTIONS INDUCED BY MICROWAVE RADIATION. 0433+

IMMUNOLOGICAL EFFECTS OF LOW MICROWAVE EXPOSURE 0435

EFFECT OF UHF FIELD OF SMALL INTENSITY ON INDICES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (IN RUSSIAN) 2079+

RUDNEVA, S. V.

EFFECT OF A HIGH INTENSITY CONSTANT MAGNETIC FIELD ON PROLIFERATION OF EPITHELIAL CELLS IN THE MOUSE DUODENUM 0065

RUDOLFSSON, C.

THE RADIOFREQUENCY FIELD DISTRIBUTION SURROUNDING COILS FOR INTRAUTERINE DIAGNOSTIC PROCEDURES 1959+

RUGENDORFF, E. W.

PRACTICAL EXPERIENCE WITH INTERFERENCE-CURRENT THERAPY OF MEN WITH VEGETATIVE UROGENITAL COMPLAINTS (IN GERMAN) 0018

RUGGERA, P. S.

MEASUREMENTS OF ELECTROMAGNETIC FIELDS IN THE CLOSE PROXIMITY OF CB ANTENNAS 0028+

PERFORMANCE OF X-RAY MEASUREMENT INSTRUMENTS WHEN SUBJECTED TO ENVIRONMENTAL LEVEL RF FIELDS. 0418

A LIMITED MICROWAVE DIATHERMY FIELD SURVEY 0759

EMR INTERFERENCE WITH CARDIAC PACEMAKERS 0792+

CHANGES IN RADIOFREQUENCY E-FIELD STRENGTHS WITHIN A HOSPITAL DURING A 16-MONTH PERIOD 1113+

E- AND H- FIELD INSTRUMENTATION AND CALIBRATION BELOW 500 MHZ 2204+

NEAR-FIELD MEASUREMENTS OF RF FIELDS 2666+

RUGH, R.

THE RELATION OF DOSE RATE OF MICROWAVE RADIATION TO THE TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MOUSE 0849+

RESPONSES OF THE MOUSE TO MICROWAVE RADIATION DURING ESTROUS CYCLE AND PREGNANCY 0930+

THE RELATION OF SEX, AGE, AND WEIGHT OF MICE TO MICROWAVE RADIATION SENSITIVITY 1120+

ARE MOUSE FETUSES WHICH SURVIVE MICROWAVE RADIATION PERMANENTLY AFFECTED THEREBY? 1247+

ARE MICROWAVES TERATOGENIC? 1371+

ANESTHESIA AS AN EFFECTIVE AGENT AGAINST THE PRODUCTION OF CONGENITAL ANOMALIES IN MOUSE FETUSES EXPOSED TO EMR 1615+

MICROWAVE TERATOGENESIS IN MICE 2358+

COMPARISON OF IONIZING AND MICROWAVE RADIATIONS WITH RESPECT TO THEIR EFFECTS ON THE RODENT EMBRYO AND FETUS 2359+

MICROWAVE BIOLOGICAL EFFECTS UNDER REPRODUCIBLE DOSIMETRIC AND ENVIRONMENTAL CONDITIONS 2389

THE EMBRYOLOGICAL SIGNIFICANCE OF INDUCED CONGENITAL ANOMALIES. 2886+

RUHENSTROTH-BAUER, G.

INFLUENCE OF COMBINED ELECTRIC AND MAGNETIC FIELDS ON BIOLOGICAL CELLS AND OTHER PARTICLES (IN GERMAN) 1733+

RUNGE, L.

SURVEY OF RADIO FREQUENCY RADIATION HAZARDS 3573

RUOFF, H. J.

CYCLIC AMP AND CYCLIC GMP IN THE RAT GASTRIC MUCOSA 2860+

RUPP, T.

A COMPARISON OF THERMAL AND RADIO-FREQUENCY EXPOSURE EFFECTS ON TRACE METAL CONTENT OF BLOOD PLASMA AND LIVER CELL FRACTIONS OF RODENTS 1079+

RUSCH, D.

MAGNETIC FIELDS IRRADIATION, 'JONOMODULATOR' AND 'EICHOTHERM' APPARATUS (IN GERMAN) 1411

RUSIAEV, V. F.

COAGULATION PROPERTIES OF PLATELETS IN CONSTANT MAGNETIC FIELD 0090+

ELEKTROKINETIC PROPERTIES OF BLOOD ELEMENTS UNDER THE EFFECT OF PHYSICAL FACTORS (IN RUSSIAN) 2128+

EFFECT OF UHF ELECTRICAL FIELD ON THE BLOOD CLOTTING SYSTEM IN ANIMALS (IN RUSSIAN) 2226+

RUSTAN, P. L.

EVALUATION OF EFFECTS OF THE MICROWAVE OVEN (915 AND 2450 MHZ) AND RADAR (2810 AND 3050 MHZ) EMR ON NONCOMPETITIVE CARDIAC PACEMAKERS 0450

MICROWAVE OVEN INTERFERENCE WITH CARDIAC PACEMAKERS
0552+

CARDIAC PULSE GENERATORS AND EM INTERFERENCE
2041

ELECTROMAGNETIC COMPATIBILITY OF CARDIAC PACEMAKERS
2270

RUSTER, I.

FURTHER PROGRESS WITH ONCOLYSIS DUE TO LOCAL HIGH FREQUENCY HYPERTHERMIA, LOCAL X-IRRADIATION AND APATHOGENIC CLOSTRIDA
0236

RUSYAYEV, V. F.

EFFECTS OF MAGNETISM ON THROMBOCYTE COAGULATION
0272+

RUTH, R. E.

TONIC RETICULAR ACTIVATING SYSTEM: RELATIONSHIP TO AVERSIVE BRAIN STIMULATION EFFECTS
1955+

RUTKOWSKI, A.

EMR HAZARDS IN THE NAVY
1200

RYABY, J.

CYTOFLUOROMETRY OF ELECTROMAGNETICALLY CONTROLLED CELL DEDIFFERENTIATION (IN JAPAN)
0068

RYAN, J. J.

EFFECTS OF TRANSCEREBRAL ELECTROTHERAPY (ELECTROSLEEP) ON STATE ANXIETY ACCORDING TO SUGGESTIBILITY LEVELS
1236+

RYBICKI, E. F.

STUDIES OF ENHANCED BONE HEALING VIA ELECTRICAL STIMULI: COMPARATIVE EFFECTIVENESS OF VARIOUS PARAMETERS
2771

RYCHKOV, V. M.

ELECTROENCEPHALOGRAPHIC CHANGES UNDER THE INFLUENCE OF LOW INTENSITY CHRONIC MICROWAVE IRRADIATIONS
1445

RYSER, D. K.

RADIOFREQUENCY RADIATION DOSIMETRY HANDBOOK.
2927

RYSINA, T. Z.

EMBRYOTROPIC EFFECTS OF MICROWAVES
2872

RYSKANOV, T.

EFFECT OF A PERMANENT MAGNETIC FIELD ON ELABORATION OF CONDITIONED REFLEXES IN MICE UNDER FOOTHILL AND ALPINE CONDITIONS
0273+

RYTKO, J.

EFFECT OF MICROWAVE RADIATION ON CELLS TREATED WITH MEMBRANE-INJURING SUBSTANCES
2717

S

SABBOT, T. M.

IONIC FACTORS IN RELEASE OF CALCIUM FROM CHICKEN CEREBRAL TISSUE BY ELECTROMAGNETIC FIELDS
3395

SABEL, M.

AN ISOTHERMAL TWIN CALORIMETER FOR THE DETERMINATION OF THE HEAT DEFECT OF LOW ENERGY λ-RAYS.
3248+

SABOE, E. P.

BIOLOGICAL EFFECTS OF NONIONIZING EMR: A DIGEST OF CURRENT LIT.
1420+

SACHS, H. M.

AN EVALUATION OF EMC PERFORMANCE OF PULSE-DOPPLER RADAR SYSTEMS
3512+

SADAR, E.

USE OF TRANSCUTANEOUS ELECTRICAL STIMULATION IN THE CONTROL OF POSTOPERATIVE PAIN
1926

SADCHIKOVA, M. N.

THE CARDIOVASCULAR SYSTEM AS AFFECTED BY EXPOSURE TO MICROWAVE RADIATION
0063

CLINICAL MANIFESTATIONS OF REACTIONS TO MICROWAVE IRRADIATION IN VARIOUS OCCUPATIONAL GROUPS
0885+

ELECTROENCEPHALOGRAPHIC DATA OBTAINED DURING LONG EXPOSURE TO EM RADIO FREQUENCY FIELDS
1343

HEALTH STUDIES OF PERSONNEL EXPOSED TO EM ULTRA-SHORT WAVE SOURCES IN TELEVISION AND RADIO BROADCASTING STATIONS
1344+

THE CLINIC, PATHOGENESIS, TREATMENT, AND OUTCOME OF RADIOWAVE SICKNESS
1441+

STATE OF THE BLOOD SYSTEM UNDER THE INFLUENCE OF SHF FIELDS OF VARIOUS INTENSITIES AND IN RADIOWAVE SICKNESS
1442

CLINICAL SYNDROMES ARISING UNDER THE EFFECT OF VARIOUS RADIO FREQUENCY BANDS
2007

A COMPARATIVE ASSESSMENT OF HEALTH IN PERSONS WORKING UNDER CONDITIONS INVOLVING EXPOSURE TO MICROWAVES OF DIFFERENT INTENSITY
2360+

AUTONOMIC AND CARDIOVASCULAR DISORDERS DURING CHRONIC EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS
2553

HEMODYNAMIC INDICES DURING THE ACTION OF SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS
2560

SADLER, D. M.

X-RAY DIFFRACTION FROM CHLOROPLAST MEMBRANES ORIENTED IN A MAGNETIC FIELD
1618+

SADOVNICHY, B. E.

INHIBITING ACTION OF ELECTRIC FIELD ON ESCHERICHIA COLI (IN RUSSIAN)
1634+

SADOWSKY, N. L.

MICROWAVE THERMOGRAPHY: APPLICATION TO THE DETECTION OF BREAST CANCER, 2:375-385, 1978
0066

MICROWAVE THERMOGRAPHY: PRINCIPLES, METHODS AND CLINICAL APPLICATIONS.
0261

DETECTION OF BREAST CANCER BY MICROWAVE RADIOMETRY
2750

SAFFER, J.

A TWO IMPEDANCE METHOD FOR WIDE RANGE DIELECTROMETRY
2215

SAGALOVICH, B. M.

RESEARCH ON THE ACTION OF SUPERHIGH-FREQUENCY EM WAVES ON EVOKED POTENTIALS OF AUDITORY CENTERS IN CONNECTION WITH PROSPECTS FOR USING INADEQUATE AUDITORY STIMULATION (EXPERIMENTAL RESEARCH)
1487+

SAGAN, P. M.

EFFECTS OF 60 HZ ENVIRONMENTAL ELECTRIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYSTEM.
0211

BEHAVIORAL PROTOCOLS AND PRELIMINARY OBSERVATIONS OF CHICKS EXPOSED TO WEAK AMPLITUDE MODULATED 450 MHZ FIELDS
2661

SAHA, J. N.

THE RADIO INTERFERENCE FIELD OF AN OVERHEAD TRANSMISSION LINE
3020+

SAITO, M.

RESPONSE OF NONSPHERICAL BIOLOGICAL PARTICLES TO ALTERNATING ELECTRIC FIELDS
0553+

EM FIELDS AND BIOLOGICAL SYSTEMS (IN JAPANESE)
2141+

SAKAMOTO, M.

DIELECTRIC RELAXATION OF COLLAGEN IN AQUEOUS SOLUTIONS
0031

SAKHAROVA, S. A.

REACTIONS OF THE HORMONAL LINK OF THE SYMPATHO-ADRENAL SYSTEM TO SINGLE EXPOSURE TO AN ALTERNATING MAGNETIC FIELD
1230+

SALATI, O. M.

RADIO FREQUENCY RADIATION HAZARDS
0554+

MICROWAVE ABSORPTION MEASUREMENTS
1470+

A TECHNIQUE FOR RELATIVE ABORPTION CROSS-SECTION DETERMINATION. 3317+

SALEFRAN, J. L.
MICROWAVE DIELECTRIC RELAXATION OF AQUEOUS SOLUTIONS OF DEXTRAN 3403

SALISBURY, W. W.
EXPOSURE TO MICROWAVES 0555+

SALLES-CUNHA, S. X.
STEADY MAGNETIC FIELDS IN NON-INVASIVE ELECTROMAGNETIC FLOWMETRY. 0389+

SAMARAS, G.
TECHNIQUES FOR UNIFORM AND REPLICABLE MICROWAVE HYPERTHERMIA OF A MODEL MOUSE CARCINOMA 0046
MICROWAVE BOLUSING: A TECHNIQUE FOR IMPROVING HEATING UNIFORMITY FOR MICROWAVE HYPERTHERMIA 2528

SAMARAS, G. M.
SIMULTANEOUS FAR-FIELD IRRADIATION OF MULTIPLE MOUSE TUMORS FOR MICROWAVE HYPERTHERMIA. 0322
PROLONGATION OF LIFE DURING HIGH-INTENSITY MICROWAVE EXPOSURES 0715+
A BOLUSING TECHNIQUE FOR BATCH MICROWAVE IRRADIATION OF TUMORS IN THE FAR FIELD 2453
AN AUTOMATED BIO-INSULT RESEARCH FACILITY 2962+

SAMAUN
AN IC PIEZORESISTIVE PRESSURE SENSOR FOR BIOMEDICAL INSTRUMENTATION 0751+

SAMBORS'KA, Y. P.
EFFECT OF CONSTANT AND VARIABLE MAGNETIC FIELDS ON SOME INDICES OF PHYSIOLOGICAL FUNCTIONS AND METABOLIC PROCESSES IN WHITE RATS 2493

SAMBORSKAYA, E. P.
EFFECT OF CONSTANT MAGNETIC FIELD ON THE COURSE OF PREGNANCY AND PROGENY DEVELOPMENT IN ALBINO RATS 1430

SAMONA, G. E.
EFFECTS OF ELECTRICAL STIMULATION OF VAGAI NUCLEI IN ANESTHETIZED AND UNANESTHETIZED CATS 3405

SAMUEL, A.
CHROMOSOMAL ABERRATIONS OF LIVING CELLS INDUCED BY MICROWAVE RADIATION 1962

SANCES', A.
STEADY MAGNETIC FIELDS IN NON-INVASIVE ELECTROMAGNETIC FLOWMETRY. 0389

SANCHEZ, S. A.
DANGER: WHEN YOU TRANSMIT YOU CAN TURN OFF A PACEMAKER 3028+

SANDALA, M. G.
THE BIOLOGIC ACTION AND HYGIENIC SIGNIFICANCE OF EM FIELDS OF SUPERHIGH AND ULTRAHIGH FREQUENCIES IN DENSELY POPULATED AREAS 0889

SANDERS, A. A.
NON-IONIZING ELECTROMAGNETIC RADIATION STANDARDIZATION 2689

SANDERS, M.
SELECTIVE EFFECT OF EM ENERGY ON VIRUSES 2504
EFFECT OF CONTROLLED EM ENERGY ON BIOLOGICAL SYSTEMS 2506
THE EFFECT OF EM CONTROLLED ENERGY ON VIRUSES IN HUMAN BLOOD 2515

SANDERSON, D. R.
COMPARISON OF ENDOSCOPIC CRYOSURGERY AND ELECTROCOAGULATION OF BRONCHI 2856

SANDHU, T. S.
THE EFFECT OF POST-RADIATION HYPERTHERMIA ON HUMAN SKIN AND TUMOR RESPONSE 2341
THE DEVELOPMENT OF HYPERTHERMIA MICROWAVE GENERATORS AND THERMOMETRY 2361+

SANDLER, S. S.
EM FIELD EFFECTS IN NERVE TISSUE 1380+

SANDREW, B. B.
ELECTRO-ACUPUNCTURE ANALGESIA IN MONKEYS: A BEHAVIORAL AND NEUROPHYSIOLOGICAL ASSESSMENT 2362+

SANKARANARAYANAN, N.
MUTAGENIC ACTION OF NON-IONIZING RADIATIONS: ITS IMPLICATION IN RADIATION PROTECTION 2057

SANO, K.
THE POSTEROMEDIAL HYPOTHALAMUS AND PAIN, BEHAVIOR, WITH SPECIAL REFERENCE TO ENDOCRINOLOGICAL FINDINGS 3419

SANTINI, R.
PRELIMINARY STUDY OF THE CUMULATIVE EFFECT OF MICROWAVE RADIATION (2,450 MHZ) ON THE IMMUNE RESPONSE OF THE MOUSE 0312
EFFECTS OF LOW LEVEL MICROWAVE RADIATION ON THE DIGESTIVE TRANSIT OF THE RAT 0370+

SANZA, J. N.
FIXED INTERVAL BEHAVIOR OF RATS EXPOSED TO MICROWAVES AT LOW POWER DENSITIES 2764+

SAPOZHNIKOV, A. M.
THE RESPONSE OF BEES TO ELECTRIC FIELDS 0291

SARKAR, F. H.
EFFECT OF ELECTRIC SHOCK ON SEROTONIN (5 HT) CONTENT IN DIFFERENT ORGANS OF RAT 2227+

SARKEES, Y.
STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES 1469
THERMAL EFFECTS OF 200 MEGACYCLE(CW) IRRADIATION AS RELATED TO SHAPE, LOCATION AND ORIENTATION IN THE FIELD. 3316

SARKEES, Z.
REVIEW OF THE WORK CONDUCTED AT U. OF BUFFALO--STUDIES ON THE BIOLOGICAL EFFECTS OF 200 MEGACYCLES 1576

SARKINEN, S. H.
ELECTRICAL & BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW 0083

SAUER, K.
THE ELECTROPHOTOLUMINESCENCE OF CHLOROPLASTS. 3266

SAUZIN-MONNOT, M. J.
A SPECIFIC EFFECT OF THE BIOLOGICAL IMPACT OF MICROWAVES 3430

SAVAGE, J. P.
ELECTRICAL BONE-GROWTH STIMULATION IN AN EXPERIMENTAL MODEL OF DELAYED UNION 2403

SAVARA, B. S.
ELECTRICAL ENHANCEMENT OF HEALING IN COMBAT INJURIES TO HARD AND SOFT TISSUES 1428+

SAVCHENKO, G. S.
THE INFLUENCE OF A CONSTANT MAGNETIC FIELD ON THE CONCENTRATION OF FREE RADICALS IN THE ORGANS AND TISSUES OF MICE 2488

SAVCHENKO, N. Y.
APPLICATIONS OF LOCAL EM HYPERTHERMIA IN ONCOLOGY 2803

SAVCHIK, A. B.
BIOLOGICAL EFFECT OF PERMANENT MAGNETIC FIELD ON HEMATOPOIETIC SYSTEM OF INTACT AND TUMOR-BEARING ANIMALS 0102+

SAVCHIK, B. A.
BIOLOGICAL EFFECT OF PERMANENT MAGNETIC FIELD ON HEMATOPOIETIC SYSTEM OF INTACT AND TUMOR-BEARING ANIMALS 0102

SAVCHUK, L. F.
BIOLOGICAL EFFECT OF PERMANENT MAGNETIC FIELD ON HEMATOPOIETIC SYSTEM OF INTACT AND TUMOR-BEARING ANIMALS 0102

SAVLUK, O. S.
EFFECTS OF HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN)
0015

SAVOLDI, F.
UNILATERAL ELECTRIC SHOCK ACUTE AND CHRONIC EXPERIMENTAL EEG'S ON RABBIT (IN ITALIAN)
1892

SAWICKI, W.
NON-THERMAL EFFECT OF MICROWAVE RADIATION IN VITRO ON PERITONEAL MAST CELLS OF THE RAT
2033+

SAWINSKA, A.
NERVOUS SYSTEM CHANGES IN WORKERS OF RADIOTELEVISION STATIONS EXPOSED TO MICROWAVES (IN POLISH)
1621

SAYOC, E.
RADIATION AND MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCER
0012

THE RESPONSE OF AN AMELANOTIC HAMSTER MELANOMA TO VARIOUS TREATMENT MODALITIES UTILIZING X-RAYS AND HYPERTHERMIA
2363

SAZONOVA, T. E.
A PHYSIOLOGICAL ASSESSMENT OF THE WORK CONDITIONS IN 400-500 KV KEY OPEN SWITCHING YARDS
3585+

SCHAAFSMA, T. J.
MAGNETIC FIELD EFFECTS ON RADICAL PAIR INTERMEDIATES IN BACTERIAL PHOTOSYNTHESIS
2583

SCHAARSCHMIDT, B.
EFFECT OF MAGNETIC FIELDS ON YEAST CELLS (IN GERMAN)
2714+

SCHAEFER, H.
INFLUENCE OF TECHNICAL ALTERNATING ELECTRIC FIELD OF HIGH TENSION ON THE ORGANISM (IN GERMAN)
2600+

SUDDEN AND UNEXPECTED INFANT DEATH AND ELECTROMAGNETIC FIELDS (IN GERMAN)
2643+

SCHAFFER, S.
FACTORS ASSOCIATED WITH THE INCIDENCE OF CONGENITAL ANOMALIES: A LOCALIZED INVESTIGATION
3140

SCHAMBRA, P. E.
SOVIET-AMERICAN COOPERATION IN ENVIRONMENTAL HEALTH SCIENCE
0274+

SCHARDEIN, J. L.
MICROWAVE FIXATION OF FETAL SPECIMENS
2767

SCHAUBLE, M. K.
INHIBITION OF EXPERIMENTAL TUMOR GROWTH IN HAMSTERS BY SMALL DIRECT CURRENTS
2619+

SCHECHTER, M.
HYPERTHERMIA: HEALING AND HAZARD IN TUMOR BEARING RATS
2649

SCHELD, K.
POSSIBLE INFLUENCE OF ATMOSPHERIC ELECTRICITY ON WELL-BEING (IN GERMAN)
1627

SCHENK, W. G.
HEPATIC BLOOD FLOW MEASUREMENT
1844

SCHEPPS, J. L.
DIELECTRIC PROPERTIES OF BRAIN TISSUE BETWEEN 0-01 AND 10 GHZ.
0416

SCHER, I.
X-LINKED B-LYMPHOCYTE IMMUNE DEFECT IN CBA/N MICE, PART II: STUDIES OF THE MECHANISMS UNDERLYING THE IMMUNE DEFECT
0946+

SCHERER, H. N.
GASEOUS EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA
3013+

SCHIEFELBEIN, S.
THE INVISIBLE THREAT: THE STIFLED STORY OF ELECTRIC WAVES
0315+

SCHIFFMANN, R. F.
MICROWAVE POWER APPLICATIONS IN THE WORLD: PRESENT AND FUTURE.
0372+

MICROWAVES CHALLENGE TODAY'S HEAT PROCESSING
1379+

SCHLICKE, H. M.
ADAPTING TO MORE INTERFERENCE
3118+

SCHLICKE, L. H.
ADAPTING TO MORE INTERFERENCE
3118

SCHLODDER, E.
MEMBRANE-BOUND ATP SYNTHESIS GENERATED BY AN EXTERNAL ELECTRIC FIELD
0671

SCHLOMANN, E.
MICROWAVE BEHAVIOR OF PARTIALLY MAGNETIZED FERRITES.
3355+

SCHLOMANN, R. H.
ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCULATION
3010

SCHLUTZ, C. A.
THE EFFECT OF EM CONTROLLED ENERGY ON VIRUSES IN HUMAN BLOOD
2515+

SCHMIDT, B. L.
SENSITIVITY OF SOME PLANT MATERIAL TO MAGNETIC FIELDS
1900

SCHMIDT, D. E.
CYCLIC ADENOSINE MONOPHOSPHATE IN BRAIN AREAS: MICROWAVE IRRADIATION AS A MEANS OF TISSUE FIXATION
0716

THE USE OF MICROWAVE RADIATION IN THE DETERMINATION OF ACETYLCHOLINE IN THE RAT BRAIN
2516+

CYCLIC AMP IN BRAIN AREAS: EFFECTS OF AMPHETAMINE AND NOREPINEPHRINE ASSESSED THROUGH THE USE OF MICROWAVE RADIATION AS A MEANS OF TISSUE FIXATION
2517

SCHMIDT, H.
EFFECT OF MICROWAVES ON THE RABBIT EYE
0675

SCHMIDT, M. J.
CYCLIC ADENOSINE MONOPHOSPHATE IN BRAIN AREAS: MICROWAVE IRRADIATION AS A MEANS OF TISSUE FIXATION
0716+

THE USE OF MICROWAVE RADIATION IN THE DETERMINATION OF ACETYLCHOLINE IN THE RAT BRAIN
2516

CYCLIC AMP IN BRAIN AREAS: EFFECTS OF AMPHETAMINE AND NOREPINEPHRINE ASSESSED THROUGH THE USE OF MICROWAVE RADIATION AS A MEANS OF TISSUE FIXATION
2517+

SCHMIDT, P.
THE EFFECTS OF RADIO-FREQUENCY ENERGY ON CORYNEBACTERIUM DIPHTHERIAE AND CLOSTRIDIUM WELCHII TOXINS
1294+

SCHMIDT, T.
AN ISOTHERMAL TWIN CALORIMETER FOR THE DETERMINATION OF THE HEAT DEFECT OF LOW ENERGY X-RAYS.
3248

SCHMITT, O. H.
HUMAN PERCEPTION OF MODERATE STRENGTH LOW FREQUENCY MAGNETIC FIELDS
1657+

MAGNETIC PERILS?
2119+

SCHNEIDER, L. K.
THE EFFECTS OF NON-THERMAL RADIO FREQUENCY RADIATION ON HUMAN LYMPHOCYTES IN VITRO
0692

SCHNEIDER, U.
MICROWAVES IN RADIOTHERAPY OF TUMORS--ALTERNATIVE TO HEAVY PARTICLES?
0906

SCHNEITER, A.
A MICROWAVE RADIOMETRIC METHOD FOR THE STUDY OF THE SEMICONDUCTOR PROPERTIES OF LIVING TISSUE
2337

SCHOENHAGE, A. A. C.
MARINE ELECTRIC FIELDS AND FISH ORIENTATION
0336

SCHOLES, H. R.
METAL ION CONTENT OF SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MHZ RADIOFREQUENCY IRRADIATION
0841

SCHOLMANN, R. H.
ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART-I: HAZARDS AND EFFECTS 3009

SCHRACK, R. A.
RADIO FREQUENCY POWER MEASUREMENTS. 3296+

SCHRADER, D. H.
MICROWAVE IRRADIATION OF PLANT ROOTS IN SOIL 1785+
A MICROWAVE IRRADIATION CHAMBER FOR SCIENTIFIC STUDIES ON AGRICULTURAL PRODUCTS 2146
LOSS OF VIABILITY OF PEAS CAUSED BY MICROWAVE HEATING 2405+

SCHROT, J.
SOME BIOLOGICAL EFFECTS OF MICROWAVE IRRADIATION IN THE RAT 0496
LETHAL EFFECTS OF 3000 MHZ RADIATION ON THE RAT 1866+
INTERACTION OF MICROWAVE FREQUENCY AND POLARIZATION WITH ANIMAL SIZE 2196+
ORIENTATION AND FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF MICROWAVES--LETHALITY EXPERIMENTS 2378

SCHUBERT, J.
THE LOG-NORMAL FUNCTION AS A STOCHASTIC MODEL OF THE DISTRIBUTION OF STRONTIUM-90 AND OTHER FISSION PRODUCTS IN HUMANS 3178+

SCHULE, D.
PATHOGENESIS AND AGGRAVATION OF OCCUPATIONAL DISEASES CAUSED BY RAYS OF DIFFERENT WAVELENGTHS (IN GERMAN) 1626

SCHULTZ, F. V.
MEASUREMENT OF THE RADAR CROSS SECTION OF A MAN 0556+

SCHULTZ, L. D.
INTERFERENCE AND COMPATIBILITY MONITORING AND MEASUREMENTS FOR UHF SATELLITE EARTH TERMINALS 3510

SCHULTZ, W.
ASCORBIC ACID CHANGES IN CULTURED RABBIT LENSES AFTER MICROWAVE IRRADIATION 1070

SCHUMACHER, L.
COMBINATION OF RADIOTHERAPY, MICROWAVE HYPERTHERMIA AND CLOSTRIDIAL ONCOLYSIS ON EXPERIMENTAL MOUSE TUMORS. 0323

SCHVARCZ J.R.
SPINAL CORD STEREOTACTIC TECHNIQUES RE TRIGEMINAL NUCLEOTOMY AND EXTRALEMNISCAL MYELOTOMY 3426+

SCHWAB, R. B.
SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS 1754

SCHWAN, H.
MEASUREMENTS OF MATERIALS AT ULTRAHIGH FREQUENCIES. 3342+

SCHWAN, H. P.
POTENTIAL TEMPERATURE RISE INDUCED BY ELECTROMAGNETIC FIELD IN BRAIN TISSUES 0016
EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS :EFFECTS OF ACUTE & CHRONIC IRRADIATIONS 0095
MICROWAVE BIOEFFECTS RESEARCH: HISTORICAL PERSPECTIVES ON PRODUCTIVE APPROACHES. 0186+
TEMPERATURE PROFILES IN SPHERES DUE TO ELECTROMAGNETIC HEATING. 0250
MICROWAVE BIOEFFECTS RESEARCH: HISTORICAL PERSPECTIVES ON PRODUCTIVE APPROACHES 0275+
EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS. II. APPEARANCE OF FAST AND SLOW WAVES AFTER CHRONIC IRRADIATIONS 0287
RF-FIELD INTERACTIONS WITH BIOLOGICAL SYSTEMS: ELECTRICAL PROPERTIES AND BIOPHYSICAL MECHANISMS. 0393+
DIELECTRIC PROPERTIES OF BRAIN TISSUE BETWEEN 0-01 AND 10 GHZ. 0416
RESPONSE OF NONSPHERICAL BIOLOGICAL PARTICLES TO ALTERNATING ELECTRIC FIELDS 0553
RADIO FREQUENCY RADIATION HAZARDS 0554
HAZARDS DUE TO TOTAL BODY IRRADIATION BY RADAR 0557+
THE MECHANISM OF ABSORPTION OF UHF EM ENERGY IN TISSUES, AS RELATED TO THE PROBLEM OF TOLERANCE DOSAGE 0558+
CAPACITY AND CONDUCTIVITY OF BODY TISSUES AT UHF 0559+
INFLUENCE OF EM RADIATION ON BIOLOGICAL MATERIAL 0569+
THE ABSORPTION OF EM ENERGY IN BODY TISSUES: A REVIEW AND CRITICAL ANALYSIS 0596+
HOT SPOTS GENERATED IN CONDUCTING SPHERES BY EM WAVES AND BIOLOGICAL IMPLICATIONS 0803
LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN THE SHAPE AND MOTILITY OF AMOEBAS 0813
EFFECTS OF MICROWAVE RADIATION ON TISSUE--A SURVEY OF BASIC MECHANISMS 0820+
SOME GUIDELINES FOR THE DEVELOPMENT OF EMR STANDARDS 0822+
DIELECTRIC PROPERTIES OF BIOLOGICAL MATERIALS AND INTERACTION OF MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVEL 0873+
GENERAL EFFECTS OF MICROWAVE RADIATION 0894
BIOLOGICAL HAZARDS FROM EXPOSURE TO ELF ELECTRICAL FIELDS AND POTENTIALS 0965+
ELECTRICAL IMPEDANCE OF THE HUMAN BODY 0996+
ELECTRICAL PROPERTIES OF TISSUE AND CELL SUSPENSIONS 1119+
FORMATION OF HOT SPOTS IN MULTILAYER SPHERES 1208
THE DISTRIBUTION OF HEATING POTENTIAL INSIDE LOSSY SPHERES 1209
PRINCIPLES OF INTERACTION OF MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVEL 1255+
EFFECTS OF MICROWAVES: LOCAL 'HOT SPOT' HEATING BY MICROWAVES 1264+
COMPARATIVE ASPECTS OF RADIOFREQUENCY AND MICROWAVE BIOMEDICAL RESEARCH 1400
NONIONIZING RADIATION HAZARDS 1423+
INTERACTION OF MICROWAVE AND RADIO FREQUENCY RADIATION WITH BIOLOGICAL SYSTEMS 1523+
MOLECULAR RESPONSE CHARACTERISTICS TO ULTRA-HIGH FREQUENCY FIELDS 1562+
SURVEY OF MICROWAVE ABSORPTION CHARACTERISTICS OF BODY TISSUES 1573+
MICROWAVE RADIATION: BIOPHYSICAL CONSIDERATIONS AND STANDARDS CRITERIA 1703+
ON THE POSSIBILITY OF NONTHERMAL BIOLOGICAL EFFECTS OF PULSED EMR 1734
CURRENT MICROWAVE STUDIES 2255+
SOME TISSUE DETERMINANTS OF INTERACTIONS WITH ELECTRIC FIELDS 2429+
EFFECTS OF RF FIELDS ON NERVOUS ACTIVITIES 2443
ENERGY DEPOSITION IN HOMEGENEOUS AND MULTILAYER TISSUE SPHERES AND EFFECT OF CIRCULATION 2447+
EFFECT OF SURFACE COOLING AND BLOOD FLOW ON THE EM HEATING OF TISSUE 2451
MICROWAVE DIELECTRIC PROPERTIES OF TISSUE 2770+
THE ABSORPTION OF ELECTROMAGNETIC ENERGY IN BODY TISSUES.

PART II. PHYSIOLOGICAL AND CLINICAL ASPECTS
2945+

ALTERNATING CURRENT SPECTROSCOPY OF BIOLOGICAL SUBSTANCES
2950+

SECOND ANNUAL PROGRESS REPORT-EFFECTS OF MICROWAVE ON MANKIND (RADC-TN-59-199) (AD-217618)
3050+

MECHANICAL EFFECTS OF AC FIELDS ON PARTICLES DISPERSED IN A LIQUID: BIOLOGICAL IMPLICATIONS (A THESIS–ONR TECHNICAL REPORT NO. 37)
3054

DIELECTRIC DISPERSION OF CRYSTALLINE POWDERS OF AMINO ACIDS, PEPTIDES & PROTEINS.
3203

EFFECTS OF MICROWAVE RADIATION ON TISSUE- A SURVEY OF BASIC MECHANISMS.
3204+

ELECTRICAL PROPERTIES OF BOUND WATER.
3209+

PRINCIPLES OF INTERACTION OF MICROWAVE FIELDS AT THE CELLULAR AND MOLECULAR LEVEL.
3270+

EFFECTS OF MICROWAVES ON MANKIND.
3299+

A TECHNIQUE FOR RELATIVE ABORPTION CROSS-SECTION DETERMINATION.
3317

HAZARDS DUE TO TOTAL BODY IRRADIATION BY RADAR.
3322+

ABSORPTION AND ENERGY TRANSFER OF MICROWAVES AND ULTRASOUND IN TISSUES: CHARACTERISTICS.
3323+

THE ABSORPTION OF ELECTROMAGNETIC ENERGY IN BODY TISSUES PART I BIOPHYSICAL ASPECTS.
3324+

THE BIOPHYSICAL BASIS OF PHYSICAL MEDICINE.
3325+

MEASUREMENTS OF MATERIALS WITH HIGH DIELECTRIC CONSTANT AND CONDUCTIVITY AT ULTRAHIGH FREQUENCIES.
3338+

ELECTRICAL SUBSTITUTES FOR HUMAN TISSUE.
3349+

VARIATIONS BETWEEN MEASURED AND BIOLOGICALLY EFFECTIVE MICROWAVE DIATHERMY DOSAGE.
3368+

HEATING OF FAT-MUSCLE LAYERS BY ELECTROMAGNETIC AND DIATHERMY.
3374+

THE DIELECTRIC PROPERTIES OF THE BOVINE EYE LENS.
3379

ELECTRICAL PROPERTIES OF TISSUE AND CELL SUSPENSIONS.
3380+

RELATIVE MICROWAVE ABSORPTION CROSS SECTIONS OF BIOLOGICAL SIGNIFICANCE
3449

BIOPHYSICS OF DIATHERMY
3450+

DIE BESTIMMUNG DER DIELEKTRISCHEN UND MAGNETISCHEN EIGENSHAFTEN INHOMOGENER DIELEKTRIKEN, INSHESONDERE BIOLOGISCHER KORPER, IM DEZIMETERWELLENBEREICH
3486+

COMPARATIVE EVALUATION OF ELECTROMAGNETIC AND ULTRASONIC DIATHERMY
3534+

SCHWARTZ, J. L.

INFLUENCE OF A CONSTANT MAGNETIC FIELD ON NERVOUS TISSUES. II. VOLTAGE-CLAMP STUDIES.
0189+

SCHWARZ, G.

RESPONSE OF NONSPHERICAL BIOLOGICAL PARTICLES TO ALTERNATING ELECTRIC FIELDS
0553

SCHWARZACHER, J. C.

FURTHER STUDIES IN MAGNETOTROPISM
2606+

SCIENCE ADVISORY BOARD

REPORT OF THE HEALTH EFFECTS RESEARCH REVIEW GROUP
0055+

SCOTT, A.

TALKING TO OURSELVES
2937

SCOTT, J.

IS TODAY'S STANDARD FOR MICROWAVE RADIATION SAFE FOR HUMANS?
0560+

SCOTT, J. R.

INTRACARDIAC CATHETER FIBRILLATION THRESHOLDS AS A FUNCTION OF THE DURATION OF 60 HZ CURRENT AND ELECTRODE AREA
1520

SEABRON, L. C.

RESULTS OF THE 1970 MICROWAVE OVEN SURVEY
2034+

SEALE, D.

PILOT SURVEY OF SMALL MAMMAL POPULATIONS IN THE CHEQUAMEGON NATIONAL FOREST DURING 1971 AND 1972
1751+

SEALS, J.

PRELIMINARY IN-VIVO PROBE MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN MICE
2455

SEAMAN, R.

EFFECTS OF LOW-INTENSITY MICROWAVES ON ISOLATED NEURONS
1058

SEAMAN, R. L.

STRIPLINE TECHNIQUES IN THE STUDY OF MICROWAVE BIOLOGICAL EFFECTS ON ISOLATED NEURAL PREPARATIONS
1213+

MICROWAVE-POWER ABSORPTION BY RECTANGULAR-SHAPED CONDUCTIVE DIELECTRIC SAMPLES IN STRIPLINE
1646

NEURONAL EFFECTS OF LOW LEVEL MICROWAVES
1857+

SINGLE AUDITORY UNIT RESPONSES TO WEAK, PULSED MICROWAVE RADIATION
2145

EFFECTS OF MICROWAVE RADIATION ON APLYSIAN GANGLION CELLS
2421+

VESTIBULO-COCHLEAR SINGLE UNIT RESPONSES
2680

MICROWAVE HEARING: THE RESPONSE OF SINGLE AUDITORY NEURONS IN THE CAT TO PULSED MICROWAVE RADIATION
2758

SEAMAN, W. L.

EFFECT OF EXPOSURE TO RADIOFREQUENCY ELECTRIC FIELDS ON SEED-BORNE MICROORGANISMS
1921+

SEARLE, G. W.

REPT. FROM STATE U. OF IOWA, DEPT. OF PHYSIOL.
1464

REVIEW OF THE WORK CONDUCTED AT STATE U. OF IOWA
1580

SEBESTIK, V.

THERMOSTABILITY OF THE ERYTHROCYTES OF MICE EXPOSED TO THE ACTION OF A MAGNETIC FIELD
1231+

SEBO, S. A.

MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA I–FIELD TESTS
2995

MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA II–LABORATORY TESTS
2996+

SEBRANT, Y. V.

RADIO WAVES AND THE LIVING ORGANISM
2566+

SEDIGH, K.

DISTRIBUTION OF EM ENERGY DEPOSITION IN MODELS OF MAN WITH FREQUENCIES NEAR RESONANCE
2188

RESONANT ELECTROMAGNETIC POWER DEPOSITION IN MAN WITH AND WITHOUT GROUND EFFECTS
3618

SEELEWIND, H.

ELECTROCLIMATOLOGY (IN GERMAN)
1179

SEGAL, P.

RADIATION INCIDENTS REGISTRY REPT. 1970
1296

SEIBERT, G.

THE INFLUENCE OF A HIGH-FREQUENCY HYPERTHERMIA ON THE EHRLICH'S-ASCITES CARCINOMA IN THE MOUSE (IN GERMAN)
1187

SEIDEL, C. L.

RADIO AND MICROWAVE RADIATION AND EXPERIMENTAL ATHEROSCLEROSIS
0678

SEIFERT, E.

PULSE MODULATED UHF ENERGY ILLUMINATION OF THE HEART ASSO-

CIATED WITH CHANGE IN HEART RATE 1040

SELKER, R. G.
TUMOR ERADICATION BY RADIOFREQUENCY THERAPY 0836+
MATERIALS FOR SELECTIVE TISSUE HEATING IN A RADIOFREQUENCY EM FIELD FOR THE COMBINED CHEMOTHERMAL TREATMENT OF BRAIN TUMORS 1240

SELL, K. W.
MICROWAVES INDUCE AN INCREASE IN THE FREQUENCY OF COMPLEMENT RECEPTOR-BEARING LYMPHOID SPLEEN CELLS IN MICE 2066
THE EFFECT OF MICROWAVES (2450 MHZ) ON THE IMMUNE SYSTEM IN MICE. II. FUNCTIONAL STUDIES 2350

SEMENOV, A. I.
THERAPEUTIC USES OF MICROWAVES 2267

SEMENOVA, G. S.
VASCULAR CHANGES IN ANTERIOR SEGMENT OF THE EYE IN WORKERS SUBJECTED TO THE ACTION OF LOCAL VIBRATION AND HIGH- FREQUENCY EMR (IN RUSSIAN) 2073

SENGUPTA, R. P.
RADIOFREQUENCY THERMOCOAGULATION OF GASSERIAN GANGLION AND ITS ROOTLETS FOR TRIGEMINAL NEURALGIA 1874+

SENSINTAFFAR, E. L.
MEASUREMENT OF ELECTRIC AND MAGNETIC FIELD STRENGTHS FROM INDUSTRIAL RADIOFREQUENCY (15-40.68 MHZ) POWER SOURCES 2210

SERDYUK, V. V.
MAGNETOTHERAPY OF INFECTED OPEN FRACTURES 0351

SEREBROV, V. I.
INFLUENCE OF ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FREQUENCY ON THE THYROID GLAND FUNCTIONAL ACTIVITY AND 131 I-THYROXIN BINDING BY TISSUES OF ALBINO RAT ORGANS 3432

SERVANTIE, A. M.
SYNCHRONIZATION OF CORTICAL NEURONS BY A PULSED MICROWAVE FIELD AS EVIDENCED BY SPECTRAL ANALYSIS OF ELECTROCORTICOGRAMS FROM THE WHITE RAT 1061
COMPARATIVE STUDY OF THE ACTION OF THREE TYPES OF MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT 1139
PHARMACOLOGIC EFFECTS OF A PULSED MICROWAVE FIELD 1274
STUDY OF THE MICROWAVE-INDUCED PERTURBATIONS OF THE BEHAVIOUR BY THE OPEN-FIELD TEST INTO THE WHITE RAT 2159
STUDY OF THE BIOLOGICAL EFFECTS OF HYPERFREQUENCY RADIATION OF LOW POWER DENSITIES (IN FRENCH) 2631

SERVANTIE, B.
BIOLOGICAL EFFECTS OF UHF EMR (RADAR) (IN FRENCH) 0508
NON IONISING EM FIELDS: ENVIRONMENTAL FACTORS IN RELATION TO MILITARY PERSONNEL 0837+
INFLUENCE OF EMR OF VHF ON THE SENSITIVITY TO THE TRIIODOETHYL SALT OF GALLIUM AND TO THE HEXAMETHYL IDONIUM SALT ON THE WHITE RAT (IN FRENCH) 0861+
INFLUENCE OF HIGH FREQUENCY EMR ON THE SENSITIVITY TO PENTETRAZOL OF THE WHITE MOUSE (IN FRENCH) 0862+
EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL 0896
SYNCHRONIZATION OF CORTICAL NEURONS BY A PULSED MICROWAVE FIELD AS EVIDENCED BY SPECTRAL ANALYSIS OF ELECTROCORTICOGRAMS FROM THE WHITE RAT 1061+
COMPARATIVE STUDY OF THE ACTION OF THREE TYPES OF MICROWAVE FIELDS UPON THE BEHAVIOR OF THE WHITE RAT 1139+
PHARMACOLOGIC EFFECTS OF A PULSED MICROWAVE FIELD 1274+
FLUCTUATING PHENOMENA (IN FRENCH) 1392+
EXPERIMENTAL STUDY OF THE BIOLOGICAL EFFECTS OF MICROWAVE RADIATION ON THE WHITE RAT AND MOUSE 1891+
ELECTRO-CORTICO-GRAPHIC MODIFICATIONS AFTER EXPOSURE TO MICROWAVE FIELDS, ON THE WHITE RAT 1949
STUDY OF THE MICROWAVE-INDUCED PERTURBATIONS OF THE BEHAVIOUR BY THE OPEN-FIELD TEST INTO THE WHITE RAT 2159
STUDY OF THE ACTION OF EMR OF VERY HIGH FREQUENCY (RADAR) ON THE CENTRAL NERVOUS SYSTEM OF THE WHITE RAT. ELECTROCORTICOGRAPHICAL MODIFICATIONS (IN FRENCH) 2628
STUDY OF THE BIOLOGICAL EFFECTS OF HYPERFREQUENCY RADIATION OF LOW POWER DENSITIES (IN FRENCH) 2631+
BIOLOGICAL EFFECTS OF RADAR RADIATION (IN FRENCH) 2633+
DISCUSSION: EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL 3268

SERVANTIE, B. M.
GENERAL STATEMENT ON HYPERFREQUENCEIS AND THEIR BIOLOGICAL EFFECTS 3429+

SESSIONS, R. W.
ENVIRONMENTAL INFLUENCE ON IMPLANTABLE CARDIAC PACEMAKERS 3078

SETH, H. S.
MICROWAVE HAZARDS EVALUATION 0561+

SETHARES, J. C.
A HYBRID FERRIMAGNETIC-DIELECTRIC MICROWAVE FILTER 3352
VISUAL OBSERVATION OF HIGH DIELECTRIC RESONATOR MODES 3363+
VISUAL OBSERVATION OF RF MAGNETIC FIELDS USING CHOLESTERIC LIQUID CRYSTALS 3364+

SETO, Y. J.
EM INDUCED KINETIC EFFECTS ON CHARGED SUBSTRATES IN LOCALIZED ENZYME SYSTEMS 1731+

SETTER, L. R.
REGULATIONS, STANDARDS, AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION, AND RADIATION FROM LASERS AND TELEVISION RECEIVERS--AN ANNOTATED BIBLIOGRAPHY 0562+
AN ANNOTATED BIBLIOGRAPHY OF REGULATIONS, STANDARDS AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION AND RADIATION FROM LASERS AND TELEVISION RECEIVERS 0597+

SEUBERT, J. L.
EM AND SONIC ENERGY FOR PEST CONTROL 0982

SEVAST'YANOV, V. V.
EFFECT OF METALLIC INCLUSIONS IN THE BODY ON THE INTENSITY OF ULTRAHIGH-FREQUENCY RADIATION 1694+
A RAPID METHOD OF VISUALIZING THE STRUCTURE OF AN EXTREMELY HIGH-FREQUENCY FIELD 1716+
METHODS OF CONDUCTING SVCH IRRADIATION OF ANIMALS 2043
THERAPEUTIC USES OF MICROWAVES 2267

SEVAST'YANOVA, L. A.
CHARACTERISTICS OF THE BIOLOGICAL ACTION OF MILLIMETER RANGE RADIOWAVES AND THEIR POSSIBLE MEDICAL APPLICATIONS 0091+
DISTINCTIVE FEATURES OF BIOLOGICAL EFFECTS OF MILLIMETER RANGE RADIO WAVES AND POSSIBLE USE THEREOF IN MEDICINE 0208+
RESTORATIVE PROCESSES IN BONE MARROW IN RESPONSE TO SUPERHIGH FREQUENCY RADIATION 1484

MOUSE BONE MARROW REACTION TO ALTERED UHF MILLIMETER IRRADIATION PARAMETRIC VARIATION
1485+

A STUDY OF THE EFFECTS OF MILLIMETER-BAND MICROWAVES ON THE BONE MARROW OF MICE
2301+

SEXAUER, S. W.

METAL ION CONTENT OF SPECIFIC AREAS OF THE RAT BRAIN AFTER 1600 MHZ RADIOFREQUENCY IRRADIATION
0841

SHACHELFORD, R. G.

NOVEL TECHNIQUE FOR DETERMINING THE RELATIVE PERMITTIVITY OF SOLIDS AT MILLIMETRE WAVELENGTHS
3539

SHACK, R.

DIELECTRIC DISPERSION OF DL-ALPHA-VALINE IN AQUEOUS SOLUTION
2798

SHACKLETT, D. E.

EVALUATION OF POSSIBLE MICROWAVE-INDUCED LENS CHANGES IN THE UNITED STATES AIR FORCE
1381+

SHAH, S. A.

TUMOR ERADICATION IN THE RABBIT BY RADIOFREQUENCY HEATING
2585

TECHNOLOGY FOR THE HYPERTHERMIC TREATMENT OF LARGE SOLID TUMOURS AT 50 DEGREES CENTRIGRADE
2694

SHAINBERG, A.

DECREASE OF ACETYLCHOLINE RECEPTOR SYNTHESIS IN MUSCLE CULTURES BY ELECTRICAL STIMULATION
0672+

SHAKULA, A. V.

THE BIOLOGICAL INFLUENCE OF HYPOGEOMAGNETIC ENVIRONMENTS
0248

SHALMON, E.

PRESENTATION AND DISCUSSION OF SESSION REPORTS, CONCLUSIONS (INCLUDING FUTURE RESEARCH NEEDS) AND RECOMMENDATIONS
0899

SHAMOS, M.

UPTAKE OF TRITIATED THYMIDINE DURING ELECTRICAL STIMULATION OF INDUCED CORTICAL BONE DEFECTS
2233

CLINICAL AND ULTRASTRUCTURAL INVESTIGATIONS OF ELECTRICAL ENHANCEMENT OF BONE HEALING
2244

SHAMOS, M. H.

ELECTRIC ENHANCEMENT OF BONE HEALING
1832

PIEZOELECTRICITY AS A FUNDAMENTAL PROPERTY OF BIOLOGICAL TISSUES
2091+

TREATMENT OF CONGENITAL PSEUDARTHROSIS OF THE TIBIA WITH DIRECT CURRENT
2778

AN INVESTIGATION OF THE BOUND WATER IN TENDON BY DIELECTRIC MEASUREMENT.
3213

SHANADALA, M. G.

IMMUNOLOGICAL EFFECTS OF LOW MICROWAVE EXPOSURE
0435+

SHANDALA, M. G.

IMMUNOLOGICAL EFFECT OF MICROWAVES (IN RUSSIAN)
0029+

STUDY OF NONIONIZING MICROWAVE RADIATION EFFECTS UPON THE CENTRAL NERVOUS SYSTEM AND BEHAVIOR REACTIONS
0277+

BIOLOGICAL ACTION OF AN INDUSTRIAL FREQUENCY (50 HZ) ELECTRIC FIELD.
0436+

SHAPIRO, A. R.

INDUCED FIELDS AND HEATING WITHIN A CRANIAL STRUCTURE IRRADIATED BY AN EM PLANE WAVE
0717+

SHAPOSHNIKOV, Y. G.

INFLUENCE OF LOW-INTENSITY MICROWAVES ON THE ACID-BASE BALANCE IN EXPERIMENTAL ANIMALS (IN RUSSIAN)
1315+

HEALING OF PURULENT WOUNDS IN ANIMALS SUBJECTED TO THE CHRONIC EFFECT OF SUPERHIGH FREQUENCY IRRADIATION OF LOW INTENSITY
1481+

HISTOMORPHOLOGICAL INVESTIGATION OF REGENERATION OF WOUNDS IN ANIMALS EXPOSED TO THE LONG-TERM ACTION OF LOW-INTENSITY MICROWAVES
1519+

SHAPOVALOVA, L. A.

EFFECTS OF EXPERIMENTAL TOXIC HEPATITIS AND MICROWAVES ON THE FUNCTION OF HEPATIC AND RENAL MITOCHONDRIA
1503

EFFECTS OF MICROWAVES ON THE FUNCTION AND STRUCTURE OF HEPATIC AND RENAL MITOCHONDRIA
1511

SHARMA, R. C.

MECHANISM OF CHARACTERISTIC BEHAVIOUR OF CELLS IN AN ALTERNATING ELECTRIC FIELD
0563+

SHARMA, V. K.

EVIDENCE OF MORPHOLOGICAL AND PHYSIOLOGICAL TRANSFORMATION OF MAMMALIAN CELLS BY STRONG MAGNETIC FIELDS
0660

SHARP, J.

ORIENTATION AND FREQUENCY EFFECTS ON WHOLE ANIMAL ABSORPTION OF MICROWAVES--LETHALITY EXPERIMENTS
2378

SHARP, J. C.

SOME PERSPECTIVES ON RESEARCH INTO THE BIOLOGICAL RESPONSE TO NONIONIZING EMR
0092+

GENERATION OF ACOUSTIC SIGNALS BY PULSED MICROWAVE ENERGY
0718+

THE EFFECTS OF MICROWAVE EXPOSURE ON THYMIDINE UPTAKE IN ALBINO RATS
0719+

SHARPLES, N. A.

DIELECTRIC PROPERTIES OF THE HUMAN BODY IN THE MICROWAVE REGION OF THE SPECTRUM
0475

SHEALY, C. N.

PERCUTANEOUS RADIOFREQUENCY DENERVATION OF SPINAL FACETS
1331+

WORKSHOP ON BIOLOGICAL EFFECTS OF ELECTRIC CURRENTS: ELECTRICAL STIMULATION AND THERAPY
1682+

A WESTERN VIEW OF ACUPUNCTURE
1895+

SHEARIN, R. L.

RADAR HAZARDS EVALUATION
3187+

SHEFFMAN, E. J.

PERCUTANEOUS RADIOFREQUENCY LUMBAR RHIZOLYSIS
2853+

SHEFTEL', I. E.

ELEKTROKINETIC PROPERTIES OF BLOOD ELEMENTS UNDER THE EFFECT OF PHYSICAL FACTORS (IN RUSSIAN)
2128

SHELDON, R. L.

SHUTTLEBOX SIDE PREFERENCE DURING PULSED MICROWAVE AND CONVENTIONAL AUDITORY CUES
0239

SHELYGINA, N. M.

EMPLOYMENT OF MAGNETOTHERAPY IN THE COMPLEX TREATMENT OF PATIENTS WITH ULCERS (IN RUSSIAN)
0325

SHEPERD, M. D.

TELEVISION FIELD INTENSITIES AT THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, MAY-JULY 1973
3552

THE EFFECTS OF TELEVISION AND FM BROADCAST STATIONS UPON THE PERFORMANCE OF CARDIAC PACEMAKERS (PILOT STUDY) NOVEMBER 1972
3553

SHEPHERD, J. C.

MEASUREMENT OF PERMITTIVITY OF SOLUTION OF SMALL BIOLOGICAL MOLECULES AT RADIOWAVE AND MICROWAVE FREQUENCIES
1304

DIELECTRIC DISPERSION OF DL-ALPHA-VALINE IN AQUEOUS SOLUTION
2798

SHEPHERD, M. D.

THE EFFECTS OF FM AND TV BROADCAST STATIONS UPON CARDIAC PACEMAKERS
1654

PACEMAKER PERFORMANCE IN THE VICINITY OF FM AND TV TRANSMITTERS
2415

SHEPHERD, R. A.
IMPROVED SUPPRESSION OF RADIATION FROM AUTOMOBILES USED BY THE GENERAL PUBLIC
1303+

SHEPHERD, R. J.
DIELECTRIC DISPERSION OF DL-ALPHA-VALINE IN AQUEOUS SOLUTION
2798

SHEPPARD, A. P.
NEW TECHNIQUES FOR IMPLEMENTING MICROWAVE BIOLOGICAL- EXPOSURE SYSTEMS
0446

EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON HUMAN BLOOD COAGULATION PROCESSES
0676

EFFECTS OF MICROWAVE RADIATION ON ENZYMES
1081

EFFECTS OF MICROWAVE RADIATION ON ENZYMES
2390

SHEPPARD, A. R.
BIOLOGICAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY
1685+

SHEPPARD, R. J. BOLUS FOR MICROWAVE HEATING OF TISSUES.
0154

THE IMPORTANCE OF BOUND WATER STUDIES IN THE DETERMINATION OF ENERGY ABSORPTION IN BIOLOGICAL TISSUES.
3271

THE MEASUREMENT OF PERMITTIVITY OF HIGH-LOSS LIQUIDS AT MICROWAVE FREQUENCIES USING AN UNMATCHED PHASE CHANGER.
3336

SHER, L. D.
SYMPOSIUM ON BIOLOGICAL EFFECTS AND HEALTH IMPLICATIONS OF MICROWAVE RADIATION, RICHMOND, VA., SEPT. 17-19, 1969--A REVIEW
0722+

INTERACTION OF MICROWAVE AND RF ENERGY ON BIOLOGICAL MATERIAL
0777+

ON THE POSSIBILITY OF NONTHERMAL BIOLOGICAL EFFECTS OF PULSED EMR
1734+

MECHANICAL EFFECTS OF AC FIELDS ON PARTICLES DISPERSED IN A LIQUID: BIOLOGICAL IMPLICATIONS (A THESIS--ONR TECHNICAL REPORT NO. 37)
3054+

SHERESHEVSKIY, O. V.
LATEST DEVELOPMENTS IN UHF-THERAPY DOSIMETRY PROCEDURES
0745

SHERIDAN, W.
THE EVALUATION OF CHEMICAL MUTAGENICITY DATA IN RELATION TO POPULATION RISK
3085

SHERWOOD, N. M.
IMMUNOREACTIVE LUTEINIZING HORMONE RELEASING FACTOR IN PITUITARY STALK BLOOD FROM FEMALE RATS: SEX STEROID MODULATION OF RESPONSE TO ELECTRICAL STIMULATION OF PREOPTIC AREA OR MEDIAN EMINENCE
0635+

SHESTIPEROV, V. A.
DETERMINATION OF THE REQUIREMENTS ON THE HOMOGENEITY OF THE ELECTRIC FIELD IN THE VOLUME OF BIOLOGIC MATTER DURING THAWING IN UHF FIELD. (IN RUSSIAN)
0276+

SHEVCHENKO, V. I.
EXPERIENCE WITH MAGNETIC THERAPY OF PAINFUL NEUROMAS OF EXTREMITY STUMPS (IN RUSSIAN)
2845

SHEVCHUK, V. I.
TREATMENT OF DISEASES OF LIMB STUMPS WITH MAGNETIC FIELD (IN RUSSIAN)
1631

SHIAU, Y.
STEP POTENTIAL AND BODY CURRENT NEAR A BURIED HORIZONTAL BARE CONDUCTOR IN A TWO-LAYER EARTH
1635+

SHIDNIA, H.
RADIATION AND MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCER
0012

PRELIMINARY CLINICAL RESULTS OF 433 MEGAHERTZ MICROWAVE THERAPY AND RADIATION THERAPY ON PATIENTS WITH ADVANCED CANCER
2336

SHIH, C. H.
GASEOUS EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA
3013

EFFECTS OF THE ENVIRONMENT ON OXIDANTS PRODUCTION IN AC CORONA
3106

SHILYAYEV, V. G.
EFFECTS OF MICROWAVE RADIATION ON THE VISUAL ORGAN
2265+

SHILYAYEVA, G. G.
ELEMENTS OF SIMILARITY IN THE REACTION OF THE LYMPHOID TISSUE TO ANTIGENIC AND NONANTIGENIC (ALTERNATING MAGNETIC FIELD) STIMULATION
2039

SHIMKEVICH, L. L.
THE EFFECT OF EXPOSURE TO THE INTACT ORGANISM TO A CONSTANT MAGNETIC FIELD ON THE ACTIVITY OF OXIDATIVE ENZYMES IN THE LIVERS OF MICE
2490

SHINAR, R.
ELECTRIC FIELD EFFECTS IN BACTERIORHODOPSIN
2450+

SHINDRYAYEV, A. A.
NOMOGRAPM FOR DETERMINING THE RADII OF RADAR STATION DANGER ZONES
3578+

SHINN, D. H.
HEALTH HAZARDS FROM POWERFUL RADIO TRANSMISSIONS
0564+

AVOIDANCE OF RADIATION HAZARDS FROM MICROWAVE ANTENNAS
1223+

SHISHLO, M. A.
THE EFFECT OF EXPOSURE TO THE INTACT ORGANISM TO A CONSTANT MAGNETIC FIELD ON THE ACTIVITY OF OXIDATIVE ENZYMES IN THE LIVERS OF MICE
2490+

SHLEIEN, B.
A REVIEW OF DETERMINATIONS OF RADIATION DOSE TO THE ACTIVE BONE MARROW FROM DIAGNOSTIC X-RAY EXAMINATIONS
3083+

SHMAKOVA, I. F.
EFFECTS OF MILLIMETER-BAND RADIO WAVES ON CERTAIN PROPERTIES OF BACTERIA
2303

SHNEIVAS, V. B.
THE BIOLOGICAL EFFECT OF ELECTROMAGNETIC FIELDS
2491+

SHORE, M.
THE EFFECT OF 2450 MHZ MICROWAVE RADIATON ON LIVER ADENOSINE TRIPHOSPHATE (ATP)
0812

SHORE, M. L.
EFFECTS OF NONIONIZING RADIATION ON THE CNS, BEHAVIOR, AND BLOOD: A PROGRESS REPORT
0257

GENERAL EFFECTS OF MICROWAVE RADIATION
0894

EFFECTS OF 2450 MHZ MICROWAVES ON PROTEIN SYNTHESIS AND ON CHROMOSOMES IN CHINESE HAMSTERS
2507

THE EFFECT OF REPETITIVE PRENATAL LOW-LEVEL MICROWAVE EXPOSURE ON DEVELOPMENT IN THE RAT
2677+

SHORE, R. E.
THE NUMERICAL THERMAL SIMULATION OF THE HUMAN BODY WHEN ABSORBING NON-IONIZING MICROWAVE IRRADIATION--WITH EMPHASIS ON THE EFFECT OF DIFFERENT SWEAT MODELS
2191

SHORT, J. G.
PHYSICAL HYPERTHERMIA AND CANCER THERAPY.
0390+

SHOWALTER, C. K.
RADIATION EXPOSURE OVERVIEW-MICROWAVE OVENS AND THE PUBLIC-OCS 69-1
3047

SHPIL'BERG, P. I.
EFFECT OF MAGNETIC FIELDS IN INDUSTRY ON THE CENTRAL NERVOUS SYSTEM (EEG DATA)
1426

SHREKENHAMER, A.
EFFECTS OF EM FIELDS ON FECUNDITY IN THE CHICKEN
1089

EFFECT OF VARIOUS EM FIELDS ON THE REPRODUCTIVE PERFORMANCE OF CHICKENS
2687

SHTEMLER, V. M.
CERTAIN PRINCIPLES GOVERNING THE EFFECTS OF MICROWAVES ON K+ AND NA+ TRANSPORT IN HUMAN ERYTHROCYTES
1458+

EFFECT OF MICROWAVES ON BLOOD SERUM BUTYRYL CHOLINESTERASE ACTIVITY IN VIVO
1510+

SHUBERT, H.
MICROWAVE IRRADIATION, BEHAVIORAL AND OCULAR EFFECTS ON RHESUS MONKEYS
2347

SHUBERT, H. A.
THERMISTOR PROBE ERROR IN AN X-BAND MICROWAVE FIELD
1818

SHUPE, R.
RADIATION AND MICROWAVE THERAPY IN THE TREATMENT OF ADVANCED CANCER
0012

PRELIMINARY CLINICAL RESULTS OF 433 MEGAHERTZ MICROWAVE THERAPY AND RADIATION THERAPY ON PATIENTS WITH ADVANCED CANCER
2336

SHUPE, R. E.
THE RESPONSE OF AN AMELANOTIC HAMSTER MELANOMA TO VARIOUS TREATMENT MODALITIES UTILIZING X-RAYS AND HYPERTHERMIA
2363+

SHUPILIA, L. M.
ELECTRIC IMPULSE THERAPY OF IMPOTENCE (IN RUSSIAN)
2862

SHUPING, R. E.
MEASUREMENT OF POWER DENSITY FROM MARINE RADAR
0757

SHUTENKO, O. I.
IMMUNOLOGICAL REACTIVITY OF THE BODY UNDER THE EFFECT OF SUPER-HIGH FREQUENCY EM FIELDS UNDER THE CONDITIONS OF DIFFERENT ULTRAVIOLET RADIATIONS (IN RUSSIAN)
2715+

METABOLISM AND DISTRIBUTION OF IRON, COPPER, MOLYBDENUM, MANGANESE, AND NICKEL IN THE ORGANS OF A BODY EXPOSED TO INDUSTRIAL AND SUPERHIGH FREQUENCY EM FIELDS
2806

SHVAREV, E. G.
USE OF OPTICAL QUANTUM GENERATORS (LASERS) IN GYNECOLOGY (IN RUSSIAN)
1408+

SHVED-VA, A. I.
EXPERIENCE WITH THE USE OF GLUCOSORTICOSTEROIDS AND MAGNETIC FIELD IN THE INTENSIVE THERAPY OF SEVERE FORMS VIRAL HEPATITIS
0013

SIDORENKO, G. I.
SOVIET-AMERICAN COOPERATION IN ENVIRONMENTAL HEALTH SCIENCE
0274

SIDOROVA, V. I.
INHIBITING ACTION OF ELECTRIC FIELD ON ESCHERICHIA COLI (IN RUSSIAN)
1634

SIEFERT, E.
A COAXIAL PATHWAY FOR RECORDING FROM THE CAT BRAIN STEM DURING ILLUMINATION WITH UHF ENERGY
1037

SIEGEL, M.
ELECTROMAGNETIC FIELDS IN A DISSIPATIVE HALF-SPACE: A NUMERICAL APPROACH.
3285+

SIEGFRIED, J.
ELECTRICAL SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS
3428+

SIEKIERZYNSKI, M.
HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART I: THEORETICAL CONSIDERATIONS AND PRACTICAL ASPECTS
0796

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART II: FUNCTIONAL DISTURBANCES
0797+

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES, PART III: LENS TRANSLUCENCY
0798+

ANALYSIS OF OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION
0876

A STUDY OF THE HEALTH STATUS OF MICROWAVE WORKERS
0887+

EFFECTS OF MICROWAVES ON THE TWENTY-FOUR-HOUR RHYTHM AND TWENTY-FOUR-HOUR URINARY EXCRETION OF SEVENTEEN HYDROXYCORTICOIDS AND SEVENTEEN KETOSTEROIDS
1133

MICROWAVE RADIATION AND OTHER HARMFUL FACTORS OF WORKING ENVIRONMENT IN RADIOLOCATION: METHOD OF DETERMINATION OF MICROWAVE EFFECTS
1138+

INFLUENCE OF MICROWAVE RADIATION ON THE HEMATOPOIETIC SYSTEM
1278

SIEMS, L. L.
A COMPARATIVE STUDY OF SHORT WAVE AND MICROWAVE DIATHERMY ON BLOOD FLOW
0565+

SIEN, H. P.
TEMPERATURE DISTRIBUTIONS IN NORMAL AND NEOPLASTIC TISSUES DURING HYPERTHERMIA: LUMPED PARAMETER ANALYSIS.
0188+

SIGELMANN, R. A.
MICROWAVE HEATING OF SIMULATED HUMAN LIMBS BY APERTURE SOURCES
2948

SIGLER, A. T.
RADIATION EXPOSURE IN PARENTS OF CHILDREN WITH MONGOLISM (DOWN'S SYNDROME)
2035+

SIKOV, M. R.
INTERACTION OF ULTRASOUND AND BIOLOGICAL TISSUES: PROCEEDINGS OF A WORKSHOP
3081

SILBERBERG, J. L.
A COMPARISON OF INSTRUMENT PERFORMANCE IN MEASURING X-RAY TUBE CURRENT AND MAS
0630

SILIN, L. L.
LOW FREQUENCY ALTERNATING MAGNETIC FIELD IN THE TREATMENT OF PATIENTS WITH DEFORMING ARTHROSIS OF THE KNEE JOINTS
0278+

SILNY, J.
EFFECT OF A 50 HZ ELELCTRIC FIELD INFLUENCE ON THE ORGANISM
1591+

INFLUENCE OF TECHNICAL ALTERNATING ELECTRIC FIELD OF HIGH TENSION ON THE ORGANISM (IN GERMAN)
2600

SUDDEN AND UNEXPECTED INFANT DEATH AND ELECTROMAGNETIC FIELDS (IN GERMAN)
2643

SILVERBERG, G.
UNREASONING RADIATION: DO MICROWAVES POSE A HAZARD TO MIND AND BODY?
0566+

SILVERMAN, C.
EPIDEMIOLOGIC STUDIES OF MICROWAVE EFFECTS.
0397+

NERVOUS AND BEHAVIORAL EFFECTS OF MICROWAVE RADIATION IN HUMANS
0568+

CAUSES OF DEATH FOLLOWING OCCUPATIONAL EXPOSURE TO MICROWAVE RADIATION (RADAR) 1950-1974
2681

NERVOUS AND BEHAVIORAL EFFECTS OF MICROWAVE RADIATION IN HUMANS.
3234+

SILVERMAN, D. R.
COMPARISON OF DEEP HEATING BY MICROWAVES AT FREQUENCIES 2456 NAD 900 MEGACYCLES
3544

SIMMONS, G.
INTERFERENCE PATTERNS OF A HORIZONTAL ELECTRIC DIPOLE OVER LAYERED DIELECTRIC MEDIA
0748

SIMPSON, J. W.
BODY CURRENTS IN LIVE LINE WORKING
0974

BODY CURRENTS IN LIVE LINE WORKING
3015

BODY CURRENTS MEASURED IN LIVE LINE WORK
3100

SIMPSON, T. L.
THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT 0050

SINGEWALD, M. L.
MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 1015+
MEDICAL EVALUATION OF MAN WORKING IN AC ELECTRIC FIELDS 2023
MEDICAL FOLLOW-UP STUDY OF HIGH VOLTAGE LINEMEN WORKING IN AC ELECTRIC FIELDS 3012+

SINGH, D. R.
MUTAGENIC ACTION OF NON-IONIZING RADIATIONS: ITS IMPLICATION IN RADIATION PROTECTION 2057

SINGH, R. H.
EFFECT OF ELECTRIC SHOCK ON SEROTONIN (5 HT) CONTENT IN DIFFERENT ORGANS OF RAT 2227

SINGH, Y. K.
VARIATION IN THE SURFACE-CHARGE DENSITY OF AN EXCITABLE NERVE MEMBRANE EXPOSED TO OPTICAL RADIATION 1839

SINHA, S. N.
INHIBITION OF DEMAND PACEMAKERS BY SKELETAL MUSCLE POTENTIALS 2839

SISKEN, B. F.
THE EFFECTS OF MINUTE DIRECT ELECTRICAL CURRENTS ON CULTURED CHICK EMBRYO TRIGEMINAL GANGLIA 3267+

SISKO, Z.
A QUANTITIATIVE ELECTROENCEPHALOGRAPHIC STUDY OF THE ACUTE EFFECTS OF X-BAND MICROWAVES IN RABBITS 1252

SIVORINOVSKIY, G. A.
THE BIOLOGICAL ACTION OF ULTRASONIC SOUND AND SUPER HIGH-FREQUENCY EM FIELDS IN THE THREE-CENTIMETER RANGE 2051+

SIVYER, A.
INTERDISCIPLINARY APPROACHES IN ELECTRICALLY MEDIATED BONE GROWTH STUDIES 2240

SJOLUND, B.
INCREASED CEREBROSPINAL FLUID LEVELS OF ENDORPHINS AFTER ELECTRO-ACUPUNCTURE 1189+

SJOLUND, B. H.
LONG TERM RESULTS OF PERIPHERAL CONDITIONING STIMULATION AS AN ANALGESIC MEASURE IN CHRONIC PAIN 0143

SJOSTRAND, J.
RETINAL DAMAGE EXPERIMENTALLY INDUCED BY MICROWAVE RADIATION AT 55 MW/CM2 0181

SKALA, J.
MAGNETIC FIELDS AND ORGANISMS (IN CZECHOSLOVAKIAN) 1412+

SKEWES, G. W.
FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0578
FURTHER EXPERIMENTS SEEKING EVIDENCE OF NONTHERMAL BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 2387

SKIDMORE, W. D.
BIOLOGICAL EFFECTS IN RODENTS EXPOSED TO PULSED EMR 0736+
CONTINUOUS EXPOSURE OF RODENTS TO 10 TO THE 8TH POWER PULSES OF EMR 0826
BIOLOGICAL MEASUREMENTS IN RODENTS EXPOSED CONTINUOUSLY THROUGHOUT THEIR ADULT LIFE TO PULSED EMR 1167
BIOLOGICAL EFFECTS IN RODENTS EXPOSED TO 10 TO THE EIGHTH POWER PULSES OF EMR 2469+

SKOMAL, E. N.
DISTRIBUTION AND FREQUENCY DEPENDENCE OF INCIDENTIAL MAN-MADE HF/VHF NOISE IN METROPOLITAN AREAS 3179+
ANALYSIS OF AIRBORNE VHF/UHF INCIDENTIAL NOISE OVER METROPOLITAN AREAS 3180+

SKOROBOGATOVA, A. M.
THE EFFECT OF STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS 2812+

SKRIPKIN, I. K.
IMPROVING THE THERAPEUTIC EFFECT OF INDUCTOTHERAPY OF THE LUMBAR REGION IN DERMATOLOGY (IN RUSSIAN) 2716+

SKRYABIN, K. I.
RADIOSENSITIVITY IN ELECTROMAGNETIC FIELDS 0207

SKURATOVICH, A. A.
EFFECT OF A UHF ELECTRIC FIELD ON SPERMATOGENESIS 0224

SKURIKHINA, L. A.
THERAPEUTIC USE OF CONSTANT AND LOW FREQUENCY MAGNETIC FIELDS (LITERATURE REVIEW) 0218
EFFECT OF A UHF ELECTRIC FIELD ON SPERMATOGENESIS 0224
SURVEY OF EFFECTS OF CONTINUOUS AND ALTERNATING LOW-FREQUENCY MAGNETIC FIELDS 0376
LATEST DEVELOPMENTS IN UHF-THERAPY DOSIMETRY PROCEDURES 0745+

SLAWSON, G.
MICROWAVE BOLUSING: A TECHNIQUE FOR IMPROVING HEATING UNIFORMITY FOR MICROWAVE HYPERTHERMIA 2528

SLAYTON, W. T.
DESIGN OF MICROWAVE GAIN-STANDARD HORNS 3447+

SLINEY, D. H.
NONIONIZING RADIATION 1382+

SMALL, J.
INFLUENCE OF 2450 MHZ CW MICROWAVES ON RATS EXPOSED IN-UTERO 1155

SMETNIK, V. P.
DYNAMICS OF CHANGES OF THE CORTICAL-SUBCORTICAL CORRELATIONS IN EXPERIMENTAL ANIMALS UNDER THE ACTION OF PULSED CURRENTS (BY THE METHOD OF ELECTROANALGESIA) 0024
DYNAMICS IN CHANGES OF THE CEREBRAL ELECTRIC ACTIVITY IN PATIENTS WITH THE CLIMACTERIC SYNDROME DURING THE TREATMENT BY PULSE CURRENT (IN RUSSIAN) 1409
SOME ASPECTS OF THE MECHANISM OF ACTION OF PULSED CURRENTS (ACCORDING TO THE METHOD OF A ELECTROANALGESIA 3427

SMIALOWICZ, R. J.
EVALUATION OF LYMPHOCYTE FUNCTION IN MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES 0279+
THE EFFECT OF MICROWAVES (2450 MHZ) ON LYMPHOCYTE BLAST TRANSFORMATION IN VITRO 2184+
EXPOSURE OF RATS IN UTERO THROUGH EARLY LIFE TO 2450 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES 2902+
EXPOSURE OF RATS TO 425 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES 2903+

SMILEY, R.
CITATION INDEX FOR FOREIGN LANGUAGE REPORTS ON BIOLOGICAL EFFECTS OF RADIO-FREQUENCY ELECTROMAGNETIC FIELDS 2254
BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF RADIO-FREQUENCY EM FIELDS (WITH SPECIAL ANALYTICAL AIDS) 2557
SOME BIOLOGICAL EFFECTS OF RADIO-FREQUENCY RADIATION 3606

SMIRNOVA, N. P.
CORAZOLE-INDUCED ENHANCEMENT OF CHANGES IN THE BRAIN BIOELECTRICAL ACTIVITY IN A CONSTANT MAGNETIC FIELD 0191+
CYCLES OF RESTORATION OF EVOKED POTENTIALS OF RAT BRAIN UNDER THE EFFECT OF A PERMANENT MAGNETIC FIELD 0280+

ENHANCEMENT OF CHANGES IN BIOELECTRICAL ACTIVITY OF THE BRAIN IN A CONSTANT MAGNETIC FIELD UNDER THE EFFECT OF CORAZOL
0281+

CHANGES OF BACKGROUND AND EVOKED RHYTHMS OF BRAIN POTENTIALS IN RABBITS IN A STRONG STATIC MAGNETIC FIELD (IN RUSSIAN)
2081+

MOTOR ACTIVITY OF MUSCLES IN A MAGNETIC FIELD OF VARYING INTENSITY (IN RUSSIAN)
2216

SMITH, A. A.

POWER LINE NOISE SURVEY
3019+

SMITH, A. E.

A SEARCH FOR BIOLOGICAL EFFECTS OF MAGNETIC FIELDS
1903+

SMITH, C. W.

DIELECTRIC PROPERTIES AND MEASUREMENT TECHNIQUES FOR BIOMOLECULES
1735

EVIDENCE FOR COLLECTIVE MAGNETIC EFFECTS IN AN ENZYME LIKELIHOOD OF ROOM TEMPERATURE SUPERCONDUCTIVE REGIONS
1737

ELECTRIC AND MAGNETIC PROPERTIES OF LYSOZYME AND OTHER BIOMOLECULES
1738

SMITH, D.

EFFECT OF 2450 MHZ MICROWAVE RADIATION ON SOME SOIL MICROORGANISMS IN SITU
1918

SMITH, G. H.

SOME EFFECTS OF LOW-LEVEL DOSAGES OF MICROWAVES ON ISOLATED NERVE ACTIVITY
2413

SMITH, G. S.

THE ELECTRIC-FIELD PROBE NEAR A MATERIAL INTERFACE WITH APPLICATION TO THE PROBING OF FIELDS IN BIOLOGICAL BODIES
0093+

EM FIELD EFFECTS IN NERVE TISSUE
1380

A COMPARISON OF ELECTRICALLY SHORT BARE AND INSULATED PROBES FOR MEASURING THE LOCAL RADIO FREQUENCY ELECTRIC FIELD IN BIOLOGICAL SYSTEMS
1726+

SMITH, L. T.

INFLUENCE OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS UPON GROWTH, DEVELOPMENT, AND BEHAVIOR IN DOMESTIC BIRDS, PHASE I: CONTINUOUS WAVE
1786

SMITH, M. T.

BEHAVIORAL EFFECTS OF STRONG 60-HZ ELECTRIC FIELDS IN RATS.
0373+

SMITH, N. P.

ANTI-HIJACKING EFFORTS AND CARDIAC PACEMAKERS--REPORT OF A CLINICAL STUDY
2960

SMITH, R. B.

METHODS OF MICROWAVE FIELD QUANTIFICATION FOR BIOLOGIC STUDIES
0881+

SMITH, R. F.

LOCOMOTOR ACTIVITY AND AGONISTIC BEHAVIOR OF TWO STRAINS OF MICE IN A 60-HERTZ EM FIELD
2038+

EFFECTS OF A 60-HZ MAGNETIC FIELD ON ACTIVITY LEVELS OF MICE
2765+

SMITH, R. H.

A REVIEW OF THE HEALTH HAZARDS FROM OVEREXPOSURE TO MICROWAVE RADIATION.
3068+

SMITH, R. S.

CORNEAL RADIOFREQUENCY BURNS: EFFECTS OF PROSTAGLANDINS AND 48/80
2223

SMITH, S. D.

EFFECTS OF ELECTRODE PLACEMENT ON STIMULATION OF ADULT FROG LIMB REGENERATION
2239+

THE EFFECTS OF MINUTE DIRECT ELECTRICAL CURRENTS ON CULTURED CHICK EMBRYO TRIGEMINAL GANGLIA.
3267

SMITH, S. W.

NONIONIZING RADIATION LEVELS IN THE WASHINGTON, D. C., AREA
0567+

A COMPARISON OF MICROWAVE DETECTION INSTRUMENTS
0776

RADIOFREQUENCY AND MICROWAVE RADIATION LEVELS RESULTING FROM MAN-MADE SOURCES IN THE WASHINGTON, D.C., AREA
0913+

LABORATORY TESTING AND EVALUATION OF MICROWAVE OVENS, BRH/DEP 70-25 ,
3034+

SMITH, T. A.

ORIENTATION OF ACTIN AND MYOSIN FILAMENTS IN INTERMEDIATE STRENGTH MAGNETIC FIELDS
2338

SMITH, V.

EXPERIMENTAL ARRANGEMENT FOR IN VIVO X-RAY AND MICROWAVE IRRADIATION OF SMALL ANIMALS
2315

CARDIAC PACEMAKERS AND EMI FROM THERAPEUTIC RADIATION GENERATING MACHINES
2316

A SYSTEM FOR DEVELOPING MICROWAVE INDUCED HYPERTHERMIA IN SMALL ANIMALS
2454

A SYSTEM FOR DEVELOPING MICROWAVE-INDUCED HYPERTHERMIA IN SMALL ANIMALS.
2922

SMITT, P. A.

NON-INVASIVE TREATMENT OF EXTRACTION WOUNDS IN DOGS BY ELECTROMAGNETIC STIMULATION.
0209

SMOLARZ-DUDAREWICZ, J.

EVALUATION OF LENS TRANSPARENCY IN PERSONS EXPOSED TO ELECTROMAGNETIC RADIATION AT 27-30 MHZ FREQUENCY
3431+

SMOLIANINOVA, N. S.

STATE OF IMMUNOLOGICAL REACTIVITY OF THE ORGANISM UNDER THE EFFECT OF SOME NOXIOUS INDUSTRIAL FACTORS. (IN RUS.)
0162

SMOLIANSKAIA, A. Z.

RESONANCE PHENOMENA IN THE ACTION OF MILLIMETER ELECTROMAGNETIC WAVES ON BIOLOGIC OBJECTS (IN RUSSIAN)
0294+

SMOLYANSKAYA, A. Z.

SURVEY ARTICLE ON NIEMR RESONANCE PHENOMENA
0384+

EFFECTS OF MILLIMETER-BAND EMR ON THE FUNCTIONAL ACTIVITY OF CERTAIN GENETIC ELEMENTS OF BACTERIAL CELLS
2302+

SMYTH, C. J.

MILLIMETER WAVE THERMOGRAPH AS SUBCUTANEOUS INDICATOR OF JOINT INFLAMMATION
2411

SMYTH, C. P.

MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS IX. MEASUREMENT IN ORGANIC HALIDES AT 10-CM WAVELENGTHS.
3344

SMYTH, N. P.

THE PACEMAKER PATIENT AND THE EM ENVIRONMENT
1025+

EFFECT OF AN ACTIVE MAGNETOMETER ON PERMANENTLY IMPLANTED PACEMAKERS
2036+

THE BEHAVIOR OF TRIGGERED UNIPOLAR PACEMAKERS IN ACTIVE MAGNETIC FIELDS
2086

SNAVELY, D. R.

REGULATIONS, STANDARDS, AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION, AND RADIATION FROM LASERS AND TELEVISION RECEIVERS--AN ANNOTATED BIBLIOGRAPHY
0562

AN ANNOTATED BIBLIOGRAPHY OF REGULATIONS, STANDARDS AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION AND RADIATION FROM LASERS AND TELEVISION RECEIVERS
0597

SNEGOVA, G. V.

AUTONOMIC AND CARDIOVASCULAR DISORDERS DURING CHRONIC EXPOSURE TO SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS
2553

SNELLINGS, D. D.

MICROWAVE OVEN SURVEY RESULTS IN ARKANSAS DURING 1970
0710

SNOW, H. D.
EXTERNAL FIELD EM MEASUREMENT OF BLOOD FLOW 0752

SNYDER, E.
NON-THERMAL HAZARDS OF EXPOSURE TO RADIO FREQUENCY FIELDS. MICROWAVE STUDIES 0967

SNYDER, S. H.
THE EFFECT OF MICROWAVE IRRADIATION ON THE TURNOVER RATE OF SERTONIN AND NOREPINEPHRINE AND THE EFFECT ON MONOAMINE METABOLIZING ENZYMES 0570+

SNYDER, W. Z.
CATARACTS AND AVIONIC RADIATIONS 1768
CATARACTS IN AVIATION ENVIRONMENTS 1796
CATARACT AFTER EXPOSURE TO NON-IONIZING RADIANT ENERGY 2042
EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE 2155

SOBOLEVSKAYA, N. P.
USE OF ARTIFICIAL EM FIELDS IN MED 1556

SOFRONOV, V. A.
HANDBOOK ON THE USE OF RADIOMEASUREMENT INSTRUMENTS (1969) 3160

SOGO, P. B.
NUCLEAR AND ELECTRON PARAMAGNETIC RESONANCE AND ITS APPLICATION TO BIOLOGY 0832+

SOHLER, A.
EXTREMELY LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIVER ENYZMES OF RATS 1782
CHANGES IN RATE OF GROWTH, AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS 2549

SOKOLOV, V. V.
VARIATIONS OF HEMOPOIESIS DUE TO MICROWAVE RADIATION 1346+
STATE OF THE BLOOD SYSTEM UNDER THE INFLUENCE OF SHF FIELDS OF VARIOUS INTENSITIES AND IN RADIOWAVE SICKNESS 1442+

SOKOLOVA, I. P.
THE CHARACTERISTICS OF BIOLOGIC EFFECTS OF MICROWAVES COMBINED WITH THE ACTION OF SOFT X-RAY IRRADIATION AND HEAT 1277
ON SETTING HYGIENE STANDARDS FOR THE COMBINATION OF SHF AND X-RAYS 1451
THE EFFECTS OF COMBINED EXPOSURE TO SHF EM FIELDS AND SOFT X-RAYS ON THE PERIPHERAL BLOOD 1452+
THE EFFECTS OF COMBINED EXPOSURE TO MICROWAVES AND SOFT X-RAYS ON IMMUNOBIOLOGICAL REACTIVITY OF ANIMALS 1453+

SOLAKOVA, S.
STUDY OF THE ACTION OF EM WAVES AT VARIOUS REGIONS OF THE RADIO BAND ON SOME FUNCTIONAL INDICES IN WORKERS 1482
EXPERIMENTAL STUDY OF SELECTED QUESTIONS OF THE BIOLOGICAL ACTION OF WATER BY A CONSTANT MAGNETIC FIELD (IN RUSSIAN) 1897

SOLATI, O. M.
RELATIVE MICROWAVE ABSORPTION CROSS SECTIONS OF BIOLOGICAL SIGNIFICANCE 3449

SOLEM, D. L.
REGULATIONS, STANDARDS, AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION, AND RADIATION FROM LASERS AND TELEVISION RECEIVERS–AN ANNOTATED BIBLIOGRAPHY 0562
REPT. OF PRELIMINARY MEASUREMENTS OF EM RADIATION FIELDS NEAR MICROWAVE OVENS 0571+
AN ANNOTATED BIBLIOGRAPHY OF REGULATIONS, STANDARDS AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION AND RADIATION FROM LASERS AND TELEVISION RECEIVERS 0597

SOLEM, L.
THE NATURAL HISTORY OF ELECTRICAL INJURY 2535+

SOLES, E. M.
OCULAR MEDICAL SURVEILLANCE ON MICROWAVE AND LASER WORKERS 2112

SOLON, L. R.
A PUBLIC HEALTH APPROACH TO MICROWAVE AND RADIOFREQUENCY RADIATION 0314+
NOTICE OF INTENTION TO AMEND ARTICLE 175 - RADIATION CONTROL OF THE NEW YORK CITY HEALTH CODE PERTAINING TO MICROWAVE OVENS 3623+

SOLOV'EVA, G. R.
INSTRUMENTATION AND APPLICATIONS OF LOW-FREQUENCY MAGNETOTHERAPY 2121+

SOLOV'YEV, N. A.
THE MECHANISM UNDERLYING THE BIOLOGICAL ACTION OF A PULSED MAGNETIC FIELD 1375+

SOLOV'YEVA, G. R.
EFFECT OF THE MAGNETIC FIELD OF A SOLENOID ON THE CENTRAL NERVOUS SYSTEM 0727

SOLOVYEV, A. V.
THE EFFECT OF STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS 2812

SOMJEN, G.
THE TRANSMISSION OF REFLEXES IN THE SPINAL CORD OF CATS DURING DIRECT IRRADIATION WITH MICROWAVES 1639

SOMMER, H. C.
HEARING SENSATIONS IN ELECTRIC FIELDS 0572+

SONG, S. Y.
THE EFFECT OF POST-RADIATION HYPERTHERMIA ON HUMAN SKIN AND TUMOR RESPONSE 2341

SONI, N. N.
THE EFFECTS OF PULSED, HIGH-FREQUENCY RADIO WAVES ON THE RATE OF OSTEOGENESIS IN THE HEALING OF EXTRACTION WOUNDS IN DOGS 0993

SORENSEN, C.
DEVELOPMENT OF A 915-MHZ DIRECT-CONTACT APPLICATOR FOR THERAPEUTIC HEATING OF TISSUES 0045

SORENSEN, C. C.
DETERMINATION OF POWER ABSORPTION IN MAN EXPOSED TO HIGH FREQUENCY EM FIELDS BY THERMOGRAPHIC MEASUREMENTS ON SCALE MODELS 1246
THERMOGRAPHIC MEASUREMENT OF POWER ABSORPTION DENSITIES IN SPHEROIDAL TISSUE STRUCTURES AND PHANTOM MODELS OF MAN EXPOSED TO HIGH FREQUENCY EM FIELDS 1740
STUDIES ON THERAPEUTIC HEATING BY ELECTROMAGNETIC ENERGY 3318
ANALYSES OF THERAPEUTIC HEATING DUE TO A GENERAL ELECTROMAGNETIC APERTURE SOURCE 3326

SOROCHKIN, A. I.
FORECASTING THE INTENSITY OF UHF RADIATION 1395+

SOROKIN, V. A.
DIAGNOSIS AND TREATMENT OF NEUROPSYCHIC DISTURBANCES 2264

SORRENTINO, R.
EFFECTS OF THE SURROUNDINGS ON EM-POWER ABSORPTION IN LAYERED-TISSUE MEDIA 1233

SOSNICKY, A. P.
SOURCES AND BIOLOGICAL EFFECTS OF NONIONIZING EMR 2147+

SOTHERN, R.
CIRCADIAN RHYTHMS IN PLANTS, INSECTS AND MAMMALS EXPOSED TO ELF MAGNETIC AND/OR ELECTRIC FIELDS AND CURRENTS 1781

SOUHEAVER, G. T.
EFFECTS OF TRANSCEREBRAL ELECTROTHERAPY (ELECTROSLEEP) ON STATE ANXIETY ACCORDING TO SUGGESTIBILITY LEVELS 1236

SOUTH, G. P.
THE IMPORTANCE OF BOUND WATER STUDIES IN THE DETERMINATION OF ENERGY ABSORPTION IN BIOLOGICAL TISSUES. 3271

SOUTHERN, W. E.
ORIENTATION OF GULL CHICKS EXPOSED TO PROJECT SANGUINE'S EM FIELD 0912+
ORIENTATION BEHAVIOR OF RING-BILLED GULL CHICKS (LARUS DELAWARENSIS) EXPOSED TO PROJECT SANGUINE'S ELECTRIC AND MAGNETIC FIELDS 1762+

SPADARO, J. A.
CLINICAL EXPERIENCES WITH LOW INTENSITY DIRECT CURRENT STIMULATION OF BONE GROWTH 2779

SPALDING, J. F.
EFFECTS OF 800-MHZ EMR ON BODY WEIGHT, ACTIVITY, HEMATOPOIESIS AND LIFE SPAN IN MICE 2037+

SPARKS, F. C.
EFFECT OF MICROWAVE OR WATER-BATH HYPERTHERMIA ON TUMOR GROWTH 2768+

SPARKS, H. V.
RADIO AND MICROWAVE RADIATION AND EXPERIMENTAL ATHEROSCLEROSIS 0678+

SPARKS, T. J.
IN-VITRO RESPONSE OF LYMPHOCYTE CULTURES EXPOSED TO RF RADIATION: PROGRESS REPT. ON FEASIBILITY AND DETERMINATION OF CRITICAL VARIABLES 2613

SPECIAL STUDIES GROUP
ESTIMATES OF IONIZING RADIATION DOSES IN THE UNITED STATES 1960-2000 2960+

SPECTOR, N. H.
THERMODES AND THEORIES 0573+

SPECTOR, W. S.
ELECTRICAL PROPERTIES MEASURED WITH ALTERNATING CURRENTS: BODY TISSUES. 3381+

SPERRAZZA, J. M.
EVALUATION OF LYMPHOCYTE FUNCTION IN MICE EXPOSED TO 2450 MHZ (CW) MICROWAVES 0279

SPETH, R. C.
THE USE OF MICROWAVE RADIATION IN THE DETERMINATION OF ACETYLCHOLINE IN THE RAT BRAIN 2516

SPIEGEL, R. J.
A SEMICLASSICAL THEORY FOR NERVE EXCITATION BY A LOW INTENSITY EM FIELD 0647+
ELF COUPLING TO SPHERICAL MODELS OF MAN AND ANIMALS 1244+
ELF COUPLING TO BIOSPHERES 1378+
RESONANCE ABSORPTION OF MICROWAVES BY THE HUMAN SKULL 1704
HIGH VOLTAGE ELECTRIC FIELD COUPLING TO HUMANS USING MOMENT METHOD TECHNIQUES 2186+
MAGNETIC COUPLING TO A PROLATE SPHEROID MODEL OF MAN 2435+
ELECTROMAGNETIC FIELDS IN THE NEAR VICINITY OF TRANSMISSION LINE TOWERS 3172+
THE CONDUCTIVITY OF DIELECTRIC CONSTANT OF A SPHERE DETERMINED BY SCATTERED FIELD MEASUREMENTS 3563+

SPITTKA, O.
OPERANTES TRINKVERHALTEN VON RATTEN IN HOCHSPANNUNGS- 50 HZ-WECHSELFELDERN 2365+

SPONSELLER, J. P.
MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA I--FIELD TESTS 2995

SPRING, E.
SIMULTANEOUS APPLICATION OF PULSED HIGH FREQUENCY CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA CELLS 1281

ST. GERMAIN, J.
THE USE OF IODINE-125 FOR INTERSTITIAL IMPLANTS 0948

STABLES, L. M.
MICROWAVES CAN KILL INSECT PESTS. 0240

STADNIK, A. D.
EFFECT OF CONSTANT MAGNETIC FIELDS ON MACROMOLECULES (IN RUSSIAN WITH ENGLISH SUMMARY) 1121

STALLARD, R. E.
MECHANISM OF ELECTRICAL STIMULATION OF BONE FORMATION 2242

STAMM, M. E.
MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS 0807+
MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA 1963+
MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS. 3262+

STANFORD, W.
HUMAN SKIN BURNS INDUCED BY DEFIBRILLATOR DEFAULT CURRENT 1873

STANIC, U.
EFFECT OF GRADUALLY MODULATED ELECTRICAL STIMULATION ON THE PLASTICITY OF ARTIFICIALLY EVOKED MOVEMENTS 2861+

STANLEY, J. L.
RADIATION EXPOSURE CONSIDERATIONS WHEN EMPLOYING MICROWAVE- EXCITED SPECTROSCOPIC SOURCES 2567+

STANZANI, S.
EFFECT OF LESIONS OF SOME ZONES OF THE BRAIN ON MITOSIS OF THE EPITHELIUM OF THE SMALL INTESTINAL GLANDS IN THE RAT (IN FRENCH) 2854
MITOTIC ACTIVITY IN EPITHELIUM OF GLANDS OF THE SMALL INTESTINE OF THE RAT AFTER ELECTROTHERMOCOAGULATION OF THE TUBERO-INFUNDIBULAR REGION OF THE HYPOTHALAMUS AND SIMULTANEOUS RESECTION OF THE PINEAL GLAND (IN FRENCH) 2855

STAPLES, P. J.
EXTRACORPOREAL HEMOLYSIS OF BLOOD IN A MICROWAVE BLOOD WARMER 0721+

STARSHINOV, Y. N.
SELECTION OF CONDUCTORS AND THEIR CONFIGURATION FOR OVERHEAD LINES WITH ALLOWANCES FOR CORONA LOSSES AND INTERFERENCES: METHOD OF THEIR MEASUREMENT 3593

STAUCH, M.
THE EFFECT OF RADAR ON CARDIAC PACEMAKERS 1316

STAVINOHA, W. B.
GROWTH AND DEVELOPMENT OF NEONATAL MICE EXPOSED TO HIGH-FREQUENCY EM FIELDS 0743+
THE LEVELS OF LABILE INTERMEDIARY METABOLITES IN MOUSE BRAIN FOLLOWING RAPID TISSUE FIXATION WITH MICROWAVE IRRADIATION 0810
USE OF 300-MSEC MICROWAVE IRRADIATION FOR ENZYME INACTIVATION: A STUDY OF EFFECTS OF SODIUM PENTOBARBITAL ON ACETYLCHOLINE CONCENTRATION IN MOUSE BRAIN REGIONS 1202
NEUROCHEMICAL ALTERATIONS IN SPECIFIC BRAIN AREAS IN RODENTS EXPOSED TO HIGH INTENSITY FIELDS 1290+
THE LEVELS OF GABA IN MOUSE BRAIN FOLLOWING TISSUE INACTIVATION BY MICROWAVE IRRADIATION 2053
THE EFFECTS OF 19 MEGACYCLE IRRADIATION ON MICE AND RATS 2181+
ENDORPHINS IN BRAINS OF DECAPITATED AND MICROWAVE-KILLED MICE 2219
THE USE OF MICROWAVE HEATING TO INACTIVATE CHOLINESTERASE IN THE RAT BRAIN PRIOR TO ANALYSIS FOR ACETYLCHOLINE 2518+
LEVELS OF CYCLIC NUCLEOTIDES IN MOUSE REGIONAL BRAIN FOLLOWING 300MS MICROWAVE INACTIVATION 2526
LABILE INTERMEDIARY METABOLITES IN RAT BRAIN DETERMINED

AFTER TISSUE INACTIVATION WITH MICROWAVE IRRADIATION 2596

INFLUENCE OF INJECTED PSYCHOACTIVE DRUGS ON CYCLIC AMP LEVELS IN MOUSE BRAIN AND LUNG FOLLOWING MICROWAVE IRRADIATION 2769

STAVRATJEV, M.
NON-CONTACT DETERMINATION OF TEMPERATURE CHANGES IN MICE DURING MICROWAVE IRRADIATION 1695

STAVROU, D.
INFLUENCE OF MICROWAVE IRRADIATION ON CULTURED GLIOMA CELLS I. AN ENZYMATIC AND SCANNING ELECTRON MICROSCOPY STUDY 0293

STECKENMESSER, R.
ABNORMALITIES AND INTRA-UTERINE DEATH FOLLOWING MICROWAVE THERAPY IN EARLY PREGNANCY. ANIMAL EXPERIMENTS (IN GERMAN) 0670

DEFORMITY AND INTRA-UTERINE DEATH AFTER SHORT-WAVE THERAPY IN EARLY PREGNANCY IN EXPERIMENTAL ANIMALS 2879

STEEL, R.
HEATING OF BIOLOGICAL TISSUE IN THE INDUCTION FIELD OF PORTABLE RADIO TRANSMITTERS 3151

STEFANOV, B.
STUDY OF THE ACTION OF EM WAVES AT VARIOUS REGIONS OF THE RADIO BAND ON SOME FUNCTIONAL INDICES IN WORKERS 1482+

BIOLOGICAL ACTION OF SUPERHIGH FREQUENCY EM WAVES 1483+

EXPERIMENTAL STUDY OF SELECTED QUESTIONS OF THE BIOLOGICAL ACTION OF WATER BY A CONSTANT MAGNETIC FIELD (IN RUSSIAN) 1897+

BIOLOGICAL ACTION OF SUPERHIGH FREQUENCY ELECTROMAGNETIC WAVES. 3252+

STEINBERG, A. D.
X-LINKED B-LYMPHOCYTE IMMUNE DEFECT IN CBA/N MICE, PART II: STUDIES OF THE MECHANISMS UNDERLYING THE IMMUNE DEFECT 0946

STEINER, T. O.
EMC DESIGN EFFECTIVENESS IN ELECTRONIC MEDICAL PROSTHETIC DEVICES 0642

MEASURED EFFECTS OF SQUARE-WAVE MODULATED RF FIELDS (450 AND 3100 MHZ) ON CARDIAC PACEMAKERS 1289

STEINMANN, M.
THE WAVES OF THE FUTURE? 1876+

STELLWAGEN, N. C.
STRUCTURAL TRANSITION PRODUCED BY ELECTRIC FIELDS IN AQUEOUS SODIUM DEORYRIBONUCLEATE. 3211

STEPANOVA, L. T.
EFFECT OF CENTIMETER WAVES AND INDUCTOTHERMY ON THE ADRENOCORTICAL FUNCTION OF CHILDREN WITH BRONCHIAL ASTHMA 0282+

STEPHENS, F. H.
EQUIPMENT AND METHODS EMPLOYED IN THE EXPOSURE OF EXPERIMENTAL ANIMALS TO MICROWAVES AT 24,000 MEGACYCLES 1474+

MICROWAVE RADIATION OF 10 MW/CM AND FACTORS THAT INFLUENCE BIOLOGICAL EFFECTS AT VARIOUS POWER DENSITIES 2137

STEPHENS, W. K.
THE EFFECT OF MICROWAVES ON THE TOBACCO BEETLE. 2887

STERN, N.
OCULAR MEDICAL SURVEILLANCE ON MICROWAVE AND LASER WORKERS 2112

STERN, S.
MICROWAVES: EFFECT ON THERMOREGULATORY BEHAVIOR IN RATS 0358+

STERNHAGEN, C. J.
COMBINATION RADIATION THERAPY AND LOCALIZED CURRENT FIELD HYPERTHERMIA OF SPONTANEOUS MALIGNANT NEOPLASMS OF ANIMALS. A PRECLINICAL STUDY 2329

PRELIMINARY RESULTS USING LOCALIZED CURRENT FIELD HYPERTHERMIA IN ORAL CAVITY CARCINOMAS 2366+

STERZER, F.
THERAPEUTIC POTENTIAL OF CONFORMAL APPLICATORS FOR INDUCTION OF HYPERTHERMIA 0258

MICROWAVE APPARATUS FOR THE TREATMENT OF CANCER. 0374+

STETSON, L. E.
METABOLISM IN THE YELLOW MEALWORM, TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE), FOLLOWING EXPOSURE TO RADIOFREQUENCY ELECTRIC FIELDS 0493

POSSIBILITIES FOR CONTROLLING INSECTS WITH MICROWAVES AND LOWER FREQUENCY RF ENERGY 0791

MORTALITY AND INTERNAL HEATING IN RADIOFREQUENCY-TREATED LARVAE OF TENEBRIO MOLITOR 0962

FACTORS INFLUENCING EFFECTIVENESS OF RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED-GRAIN INSECT CONTROL 0983

LETHAL EFFECTS OF RADIOFREQUENCY ENERGY ON EGGS OF TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) 0985

SPERMATOZOAN ACTIVITY AND INSEMINATION IN TENEBRIO MOLITOR FOLLOWING RADIOFREQUENCY ELECTRICAL TREATMENT (COLEOPTERA: TENEBRIONIDAE) 1927

MORPHOLOGICAL CHANGES IN ADULT TENEBRIO MOLITOR (COLEOPTERA: TENEBRIONIDAE) RESULTING FROM RADIOFREQUENCY OR HEAT TREATMENT OF LARVAE OR PUPAE 1976

STETSULA, V. I.
CONSOLIDATION OF BONE FRAGMENTS IN A CONSTANT MAGNETIC FIELD 2478

STEVENS, A.
TEMPERATURE CHANGES GENERATED BY MICROWAVE THERAPY IN THE THIGHS OF HUMAN SUBJECTS 1157+

STEVENS, C. F.
INTERACTIONS BETWEEN INTRINSIC MEMBRANE PROTEIN AND ELECTRIC FIELD 2367+

STEWART, H. F.
SURVEY OF USE AND PERFORMANCE OF ULTRASONIC THERAPY EQUIPMENT IN PINELLAS COUNTY, FLA. 0638+

MEASUREMENT OF EMR LEVELS FROM SELECTED TRANSMITTERS OPERATING BETWEEN 54 AND 220 MHZ IN THE LAS VEGAS, NEVADA, AREA 2802

MICROWAVE HAZARD EVALUATION (A FIELD SURVEY FORM) 3549+

STEWART, J. R.
ELECTROSTATIC AND ELECTROMAGNETIC ENVIRONMENTAL CRITERIA FOR EHV OVERHEAD TRANSMISSION LINES 3169

STEWART, P. A.
CATCH SELECTIVITY BY ELECTRICAL FISHING SYSTEMS 0934+

STIGLITZ, M. R.
A HYBRID FERRIMAGNETIC-DIELECTRIC MICROWAVE FILTER. 3352+

VISUAL OBSERVATION OF HIGH DIELECTRIC RESONATOR MODES. 3363

STILWELL, R. J.
RF RADIATION HAZARDS 3480

STIMMER, H.
THE BIOLOGICAL EFFECT OF THE ELECTRIC FIELDS OF HIGH-TENSION LINES ON MAN (IN GERMAN) 2406+

STINUS, L.
RADIOFREQUENCY LESION OF THE VENTRAL MESENCEPHALIC TEGMENTUM: NEUROLOGICAL AND BEHAVIORAL CONSIDERATIONS 0835

STOCKDALE, F. E.
MYOSIN SYNTHESIS INCREASED BY ELECTRICAL STIMULATION OF SKELETAL MUSCLE CELL CULTURES 1017

STOCKMAN, H. E.
OPTICAL FILM SENSORS FOR RF HOLOGRAPHY. 3359+

STODOLNIK-BARANSKA, W.
LYMPHOBLASTOID TRANSFORMATION OF LYMPHOCYTES IN VITRO AFTER MICROWAVE IRRADIATION 0574+
THE EFFECTS OF MICROWAVES ON HUMAN LYMPHOCYTE CULTURES 1259+
EFFECT OF MICROWAVES ON THE MORPHOLOGY AND FUNCTION OF THE THYROID GLAND (IN POLISH) 1923

STOLAROV, M. D.
INFLUENCE OF THE ELECTRIC FIELD IN 500 AND 750 KV SWITCHYARDS ON MAINTENANCE STAFF AND MEANS FOR ITS PROTECTION 3076

STOLARSKA, A.
INFLUENCE OF MICROWAVE RADIATION ON THE HEMATOPOIETIC SYSTEM 1278
MICROWAVE IRRADIATION AND THE CIRCADIAN RHYTHM OF BONE MARROW CELL MITOSIS 1814

STOLYAROV, M. D.
ELECTRICAL FIELD AS A PARAMETER CONSIDERED IN DESIGNING ELECTRIC POWER TRANSMISSION OF 750-1150 KV: THE MEASURING METHODS, THE DESIGN PRACTICES AND DIRECTION OF FURTHER RESEARCH 3587

STOMS, R. K.
SIMPLE X-RAY DETECTOR INSTRUMENTS FOR TELEVISION. SERVICE TECHNICIANS - BRH/DEP 70-14 3055+

STONE, G. W.
PRELIMINARY STUDIES ON THE EMBRYOTOXICITY OF HYPERTHERMIA IN THE BONNET MONKEY (M.RADIATA). 2928

STONEBRIDGE, J.
DEVELOPMENT OF A 915-MHZ DIRECT-CONTACT APPLICATOR FOR THERAPEUTIC HEATING OF TISSUES 0045
EVALUATION OF A THERAPEUTIC DIRECT-CONTACT 915-MHZ MICROWAVE APPLICATOR FOR EFFECTIVE DEEP-TISSUE HEATING IN HUMANS 0049

STONEBRIDGE, J. B.
MICROWAVE THERAPY: STRAY RADIATION, SAFETY AND EFFECTIVENESS. 0427
TEMPERATURE DISTRIBUTION PRODUCED IN MODELS BY THREE MICROWAVE APPLICATORS AT 433.92 MHZ 0911
HEATING PATTERNS PRODUCED IN HUMANS BY 433.92 MHZ ROUND FIELD APPLICATOR AND 915 MHZ CONTACT APPLICATOR 1325

STONEHAM, M. E.
EFFECTS OF MICROWAVES ON THE METABOLIC TIME CLOCKS OF NORMAL AND TUMOUR CELLS: A LASER-RAMAN STUDY. 3264

STONER, D. L.
HUMAN SKIN BURNS INDUCED BY DEFIBRILLATOR DEFAULT CURRENT 1873+

STOREY, W. H.
PRELIMINARY INVESTIGATION OF THE APPLICATIONS OF MAGNETIC RESONANCE ABSORPTION SPECTROSCOPY TO THE STUDY OF THE EFFECTS OF MICROWAVES ON BIOLOGICAL MATERIALS 1472

STORM, F. K.
NORMAL TISSUE & SOLID TUMOR EFFECTS OF HYPERTHERMIA IN ANIMAL MODELS AND CLINICAL TRIALS. 0190+

STOWE, S.
HYPERTHERMIA: HEALING AND HAZARD IN TUMOR BEARING RATS 2649

STOWELL, R. E.
ORIENTATION OF EUGLENA BY RADIO-FREQUENCY FIELDS 1727

STOY, R. D.
DIELECTRIC PROPERTIES OF BRAIN TISSUE BETWEEN 0-01 AND 10 GHZ. 0416

STRANG, R.
TEMPERATURE DISTRIBUTION IN LOCALIZED CURRENT FIELD HYPERTHERMIA- A THEORETICAL MODEL 0359+

STRATE, R. G.
THE NATURAL HISTORY OF ELECTRICAL INJURY 2535

STRAUB, K. D.
EFFECTS OF LOW FREQUENCY ELECTRICAL CURRENT ON VARIOUS MARINE ANIMALS 0864+
EFFECTS OF EM FIELDS ON MICROSOMAL ATPASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION 1080+
EXTREMELY LOW FREQUENCY ELECTRIC FIELD INDUCED CHANGES IN RATE OF GROWTH AND BRAIN AND LIVER ENYZMES OF RATS 1782
CHANGES IN RATE OF GROWTH, AND BRAIN AND LIVER ENZYMES IN RATS LIVING IN 45 HZ ELECTRIC FIELDS 2549

STRELKOVA, M. A.
EFFECTS OF MILLIMETER-BAND EM WAVES ON CERTAIN ASPECTS OF PROTEIN METABOLISM IN BACTERIA 2304

STRELKOVA, N. I.
THE PROBLEM OF CORRELATING BIOCHEMICAL DATA TO THE CONDITION OF THE NEUROMUSCULAR APPARATUS OF PARKINSONISM PATIENTS SUBJECTED TO DECIMETER WAVE THERAPY 1491+

STRELOW, R.
EXTREMELY HIGH VOLTAGE TRANSMISSION LINES HEALTH AND ENVIRONMENTAL EFFECTS: REQUEST FOR SUBMISSION DATA. 3239+

STROHBEHN, J. W.
CANCER THERAPY WITH LOCALIZED HYPERTHERMIA USING AN INVASIVE MICROWAVE SYSTEM. 0226
AN INVASIVE MICROWAVE ANTENNA FOR LOCALLY-INDUCED HYPERTHERMIA FOR CANCER THERAPY. 0438+

STROJNIK, P.
PROGRAMMED SIX-CHANNEL ELECTRICAL STIMULATOR FOR COMPLEX STIMULATION OF LEG MUSCLES DURING WALKING 0094+

STROMBERG, L. R.
A REVIEW OF THE HEALTH HAZARDS FROM OVEREXPOSURE TO MICROWAVE RADIATION. 3068

STRONG, L. W.
CALORIMETRIC CALIBRATION METHOD FOR A COMMERCIAL POWER MONITOR FOR USE WITH HIGH POWER MICROWAVE GENERATORS, (FDA) 73-8010, BRH/DEP 73-1 3039

STRZHIZHOVSKIY, A. D.
EFFECTS OF STRONG INFRALOW-FREQUENCY MAGNETIC FIELDS ON BONE MARROW CELL DIVISION. 0437+

STRZHIZHOVSKY, A. D.
PHYSIOLOGICAL REGENERATION OF THE CORNEAL EPITHELIUM EXPOSED TO SUPERSTRONG CONSTANT MAGNETIC FIELDS (IN RUSSIAN) 1402+
PROLONGED EFFECT OF A CONSTANT AND ALTERNATING MAGNETIC FIELD OF 1,000 OERSTED ON THE MITOTIC ACTIVITY (IN RUSSIAN) 1405+
MODIFICATION OF THE CYTOGENETIC EFFECT OF IONIZING RADIATION UNDER THE INFLUENCE OF PERMANENT MAGNETIC FIELDS 1595

STUCHLY, M. A.
MICROWAVE AND RADIOFREQUENCY PROTECTION STANDARDS 0106+
INTERACTION OF RADIOFREQUENCY AND MICROWAVE RADIATION WITH LIVING SYSTEMS 0109+
RADIO WAVES AND MICROWAVES-BASIC DEFINITIONS AND CONCEPTS 0110+
MAPPING OF THE NEAR-FIELD PATTERN IN SIMULATED BIOLOGICAL TISSUES. 0145
RECOMMEND SAFETY PROCEDURES FOR THE INSTALLATION AND USE OF RADIOFREQUENCY AND MICROWAVE DEVICES IN THE FREQUENCY RANGE 10 MHZ - 300 GHZ 0284+
EMISSION AND EXPOSURE STANDARDS FOR MICROWAVE RADIATION 2380
MICROWAVE BIOEFFECTS AND RADIATION SAFETY., M.A. STUCHLY, EDITOR. 2920+

STUCHLY, S. S.
MAPPING OF THE NEAR-FIELD PATTERN IN SIMULATED BIOLOGICAL TISSUES. 0145
MONITORING OF ARTERIAL WALL MOVEMENT BY MICROWAVE DOPPLER RADAR 0283+
EFFECT OF 2450 MHZ MICROWAVE RADIATION ON HORSERADISH PEROXIDASE 0923
A TIME-DOMAIN TECHNIQUE FOR MEASUREMENT OF THE DIELECTRIC PROPERTIES OF BIOLOGICAL SUBSTANCES 2836

STUNDEN, R. J.
RADIOFREQUENCY THERMOCOAGULATION OF GASSERIAN GANGLION AND ITS ROOTLETS FOR TRIGEMINAL NEURALGIA 1874

STURROCK, P. A.
SEARCH FOR CORRELATION BETWEEN GEOMAGNETIC DISTURBANCES AND MORTALITY 1229

STUTZ, A. M.
EFFECTS OF WEAK MAGNETIC FIELDS ON GERBIL SPONTANEOUS ACTIVITY 2122+

STVERAK, I.
SOME EFFECTS OF VARIOUS PULSED FIELDS ON ANIMALS WITH AUDIOGENIC EPILEPSY 1253+

STYBLOVA, V.
THE PROBLEM OF EVALUATION OF EEG FINDINGS IN RELATION TO THE EXPOSURE OF USW RADIOWAVES (IN POLISH) 1943+
HEALTH CONDITION OF WORKERS EXPOSED TO PROLONGED ELECTROMAGNETIC METER-WAVE RADIATION 3193

SUBBOTA, A. G.
GENRERAL CHARACTERISTICS OF THE INFLUENCE OF MICROWAVE RADIATION AT HIGH INTENSITIES ON THE ORGANISM 2256+
CHANGES IN FUNCTIONS OF VARIOUS SYSTEMS OF THE ORGANISM UNDER EXPOSURE TO HIGH-INTENSITY MICROWAVE FIELDS 2257+
CHANGES IN FUNCTIONS OF VARIOUS SYSTEMS OF THE ORGANISM UNDER THF INFLUENCE OF LOW-INTENSITY MICROWAVE RADIATION 2260+
FUNCTIONAL CHANGES IN HEALTHY HUMANS EXPOSED TO LOW-INTENSITY MICROWAVE FIELDS 2262+
THE EFFECTS ON THE BODY OF EMR OF THE SHF RANGE 2487

SUBRAHMANYAM, P.
MUTAGENIC ACTION OF NON-IONIZING RADIATIONS: ITS IMPLICATION IN RADIATION PROTECTION 2057

SUD, V. K.
EFFECT OF MAGNETIC FIELD ON OSCILLATING BLOOD FLOW IN ARTERIES 0920+

SUDAKOV, K. V.
A MODULATED EM FIELD AS A FACTOR OF SELECTIVE INFLUENCE UPON THE MECHANISMS OF GOAL-ORIENTED BEHAVIOR IN ANIMALS 2082+
CENTRAL MECHANISM OF ACTION OF ELECTROMAGNETIC FIELDS 2492+
HYPNOGENIC EFFECTS OF A MODULATED EM FIELD 2601+

SUDAKOV, S. K.
EFFECT OF A MODULATED EM FIELD ON SELF-STIMULATION RESPONSE IN RATS 2546

SUESS, M. J.
INTERNATIONAL COLLABORATION ON THE HEALTH EFFECTS OF NON-IONIZING RADIATION 0285+
A PROGRAMME ON NON-IONIZING RADIATION PROTECTION OF THE WORLD HEALTH ORGANIZATION REGIONAL OFFICE FOR EUROPE 0594+
AN INTERNATIONAL PROGRAM FOR MICROWAVE EXPOSURE PROTECTION 0802
INTERNATIONAL COOPERATION ON NON-IONIZING RADIATION PROTECTION 2228+
THE DEVELOPMENT OF A LONG-TERM PROGRAMME ON NON-IONIZING RADIATION PROTECTION 3121+

SUGAAR, S.
A HISTOPATHOLOGIC STUDY ON THE EFFECT OF RADIOFREQUENCY THERMOTHERAPY ON MALIGNANT TUMORS OF THE LUNG 0107+

SUGIYAMA, S.
CONTROL OF VISUAL FATIGUE BY MEANS OF DC AND AC ELECTRIC FIELDS 1675+
EFFECT OF AC ELECTRIC FIELD APPLICATION UPON HUMAN VISUAL THRESHOLD 2154+

SULPOR, B.
HIGH-VOLTAGE POWER LINES AND HUMAN HEALTH 0030+

SUMEGI, I.
ABNORMALITIES IN ORGANS OF MICE INDUCED BY A MAGNETIC FIELD 2097

SUNDWALL, A.
BIOSYNTHESIS OF ACETYLCHOLINE IN DIFFERENT BRAIN REGIONS IN VIVO FOLLOWING ALTERNATIVE METHODS OF SACRIFICE BY MICROWAVE IRRADIATION 1620

SURBER, W. H.
DIELECTRIC MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQENCIES. 3334+
DIELECTRIC MEASUREMENT METHODS FOR SOLIDS AT MICROWAVE FREQUENCIES 3463+

SURI, P. K.
EFFECT OF MAGNETIC FIELD ON OSCILLATING BLOOD FLOW IN ARTERIES 0920

SURKOV, T. V.
ELECTRIC IMPULSE THERAPY OF IMPOTENCE (IN RUSSIAN) 2862+

SURLES, M. C.
THE EFFECT OF MICROWAVE EXPOSURE ON BACTERIA MUTATION INDUCTION 2179

SUSSKIND, C.
EM RADIATION AS A TOOL IN THE LIFE SCIENCES 0507
BIOLOGICAL EFFECTS OF MICROWAVE RADIATION 0576+
CELLULAR AND LONGEVITY EFFECTS OF MICROWAVE RADIATION 0577+
LONGEVITY STUDY OF THE EFFECTS OF 3-CM MICROWAVE RADIATION ON MICE 0737+
POSSIBLE USE OF MICROWAVES IN THE MANAGEMENT OF LUNG DISEASE 0784+
PRESENTATION AND DISCUSSION OF SESSION REPORTS, CONCLUSIONS (INCLUDING FUTURE RESEARCH NEEDS) AND RECOMMENDATIONS 0899
SUMMARY OF THE RESEARCH PERFORMED AT THE U. OF CALIF. 1468+
REVIEW OF THE WORK CONDUCTED AT U. OF CALIF.--EFFECTS OF MICROWAVE IRRADIATION ON INTERNAL TEMPERATURE AND VIABILITY IN MICE 1579
CORRESPONDENCE ON D. R. JUSTESEN'S 'PRESCRIPTIVE GRAMMAR FOR THE RADIOBIOLOGY OF NONIONIZING RADIATION' 1906+
EFFECTS OF CHRONIC MICROWAVE IRRADIATION ON MICE 2294
CAVITY PERTURBATION MEASUREMENT OF THE EFFECTS OF MICROWAVE RADIATION ON PROTEINS 2295+
EFFECTS OF CHRONIC MICROWAVE IRRADIATION ON MICE. 2896
NONTHERMAL EFFECTS OF MICROWAVE RADIATION. 2905+
ANALYTICAL AND EXPERIMENTAL INVESTIGATION OF UNICELLULAR OR-[redacted]M MICROWAVES. 3212+

SUTHERLAND, P. J.
MIGRATING BIRDS RESPOND TO PROJECT SEAFARER'S EM FIELD 1016

SUTTON, C. H.
ENHANCED UPTAKE OF ANTINEOPLASTIC AGENTS PRODUCED BY MICROWAVE-INDUCED TUMOR HYPERTHERMIA AND DIFFERENTIAL HYPOTHERMIA IN A MURINE GLIOMA 2364+
ALTERATIONS IN BLOOD FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING AND TEMPERATURE GRADIENTS 2529+
THE EFFECTS OF BODY CORE HYPOTHERMIA ON BLOOD FLOW IN TUMORS HEATED WITH MICROWAVE RADIATION 2530+
VASCULAR ALTERATIONS IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING 2531+
EXOGENOUS PEROXIDASE ACTIVITY IN THE SELECTIVELY HYPERTHERMIC RAT BRAIN 2532+
PROTECTION OF THE MICROWAVE-IRRADIATED BRAIN WITH BODY-CORE HYPOTHERMIA 2533+
INCREASED BLOOD FLOW IN GLIAL TUMORS PRODUCED BY MICROWAVE HEATING 2534+

SUTTON, J. C.
MAN'S PHYSIOLOGIC RESPONSE TO LONG-TERM WORK DURING THERMAL AND POLLUTANT STRESS. 2916

SUZUKI, T.
ELECTROMAGNETIC POWER ABSORPTION IN CYLINDRICAL TISSUE MODELS EXCITED BY A LOOP ANTENNA. 0204
THE USE OF MICROWAVE HEATING TO CONTROL INSECTS IN CIGARETTE MANUFACTURE 1801

SVETZ, P.
THE ABC'S OF BIOELECTRIC MEASUREMENTS 1337+

SWANSON, J. R.
A REVIEW OF INTERNATIONAL MICROWAVE EXPOSURE GUIDES 0771+

SWARTZ, G.
THERMAL EFFECTS OF 200 MEGACYCLE(CW) IRRADIATION AS RELATED TO SHAPE, LOCATION AND ORIENTATION IN THE FIELD. 3316
BIOLOGICAL EFFECTS OF MICROWAVE ENERGY AT 200 MC 3602

SWEENEY, T. L.
MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA I--FIELD TESTS 2995
MEASUREMENTS OF EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA II--LABORATORY TESTS 2996

SWENSON, G. W.
RADIO NOISE FROM TOWNS: MEASURED FROM AN AIRPLANE 3125+

SWICORD, M.
DESIGN AND STANDARDIZATION OF EXPOSURE SYSTEMS FOR RF AND MICROWAVE EXPERIMENTATION 0056+
A MINIATURE BROAD-BAND ELECTRIC FIELD PROBE 1099
EXPERIMENTAL CALIBRATION OF A MINIATURE, ELECTRIC FIELD PROBE WITHIN SIMULATED MUSCULAR TISSUES 2207

SWICORD, M. L.
METHODS FOR THE EVALUATION AND CALIBRATION OF MICROWAVE SURVEY INSTRUMENTS 0058+
MICROWAVE MEASUREMENTS AND NEW TYPES OF DETECTORS FOR EVALUATION OF HEALTH HAZARDS 0580+
METHODS AND INSTRUMENTATION FOR THE EVALUATION AND CALIBRATION OF MICROWAVE SURVEY INSTRUMENTS 2205+
MAPPING OF FREE SPACE AND SCATTERED FIELDS IN MICROWAVE DIATHERMY 2212
MICROWAVE IRRRADIATION APPARATUS DESIGN AND DOSIMETRY 2213
MUTUAL COUPLING BETWEEN LINEAR ANTENNAS 2214+
A TWO IMPEDANCE METHOD FOR WIDE RANGE DIELECTROMETRY 2215+
BROADBAND MEASUREMENTS OF DIELECTRIC PROPERTIES 2664+
INVESTIGATION OF THE RESPONSE OF THE MICROLITE 287 PROBE TO MICROWAVE FIELDS, BRH/DEP 70-20 3033
A PROGRAM FOR CALCULATION NEAR-ZONE GAIN OF PYRAMIDAL HORN ANTENNAE, BRH/DEP N71-3 3041+
PROBLEMS OF POWER MEASUREMENT USING NON-SQUARE-LAW DETECTORS, (FDA) 72-8004, BRH/DEP N72-2 3042+
MICROWAVE SURVEY INSTRUMENTATION 3184+

SWIONTEK, T. J.
DISTRIBUTION OF APPLIED ELECTRICAL CURRENT IN THE SPINAL CORD AND ITS EFFECTS ON EVOKED POTENTIALS 1886+

SWITZER, R. C.
QUANTITATIVE EVIDENCE FOR PROTEIN DENATURATION AS THE CAUSE OF THERMAL DEATH 3500

SWITZER, W. G.
HYPERACTIVITY AND DISRUPTION OF OPERANT BEHAVIOR IN RATS AFTER MULTIPLE EXPOSURES TO MICROWAVE RADIATION 2763
LONG-TERM EFFECTS OF 2.45-GHZ RADIATION ON THE ULTRASTRUCTURE OF THE CEREBRAL CORTEX AND ON HEMATOLOGIC PROFILES OF RATS 2766+

SYDAKOV, K. V.
DISTURBANCE OF GOAL-SEEKING BEHAVIOR UNDER ACTION OF EM FIELD 2313

SYNGAYEVSKAYA, V. A.
CHANGES IN FUNCTIONS OF VARIOUS SYSTEMS OF THE ORGANISM UNDER EXPOSURE TO HIGH-INTENSITY MICROWAVE FIELDS 2257
METABOLIC CHANGES UNDER THE INFLUENCE OF MICROWAVE RADIATION AT HIGH INTENSITIES 2258+

SYZDYKOV, M. S.
EXPERIENCE WITH THE USE OF GLUCOSORTICOSTEROIDS AND MAGNETIC FIELD IN THE INTENSIVE THERAPY OF SEVERE FORMS VIRAL HEPATITIS 0013

SZABO, A. C.
THE TEMPERATURE-DEPENDENCE OF RESPONSES OF ESOPHAGEAL SMOOTH MUSCLE TO ELECTRICAL FIELD STIMULATION 2548

SZADY, J.
EFFECTS OF MICROWAVES ON THE TWENTY-FOUR-HOUR RHYTHM AND TWENTY-FOUR-HOUR URINARY EXCRETION OF SEVENTEEN HYDROXYCORTICOIDS AND SEVENTEEN KETOSTEROIDS 1133+
MICROWAVE RADIATION AND OTHER HARMFUL FACTORS OF WORKING ENVIRONMENT IN RADIOLOCATION: METHOD OF DETERMINATION OF MICROWAVE EFFECTS 1138

SZMIGIELSKI, S.
INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, POLYRIBOINOSINIC- POLYRIBOCYTIDYLIC, AND MOUSE INTERFERON 0053+
REACTION OF CELL-MEDIATED IMMUNITY TO LOCAL HYPERTHERMIA OF TUMORS AND ITS POTENTIATION BY IMMUNOSTIMULATION- A REVIEW. 0340+
EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL 0896
EFFECT OF MICROWAVES ON CELL FUNCTION AND VIRUS REPLICATION IN CELL CULTURES IRRADIATED IN VITRO 1077+
EFFECT OF 10-CM (3 GHZ) EMR (MICROWAVES) ON GRANULOCYTES IN VITRO 1078+
ACUTE STAPHYLOCOCCAL INFECTIONS IN RABBITS IRRADIATED WITH 3-GHZ MICROWAVES 1082+
USE OF THERMOGRAPHY FOR QUANTITATION OF ENERGY ABSORPTION IN ANIMALS IRRADIATED WITH MICROWAVES 1145
EFFECT OF MICROWAVES ON VIRUS MULTIPLICATION IN MAMMALIAN CELLS 1159
EFFECT OF MICROWAVES COMBINED WITH INTERFERON AND/OR IN-

TERFERON INDUCERS (POLY I-POLY C) ON DEVELOPMENT OF SARCOMA 180 IN MICE 1160+

EFFECTS OF MICROWAVE IRRADIATION IN VITRO ON CELL MEMBRANE PERMEABILITY 1256

AUTORADIOGRAPHIC ANALYSIS OF PROTEIN SYNTHESIS AND MEASUREMENTS ON NUCLEAR VOLUME IN WISH CELL CULTURES IRRADIATIED WITH 3 GHZ EMR 1328+

KARYOMETRIC OBSERVATIONS OF WISH CELL CULTURES IRRADIATED WITH 3 GHZ MICROWAVES 2052+

IN VITRO AND IN VIVO INHIBITION OF VIRUS MULTIPLICATION BY MICROWAVE HYPERTHERMIA 2065+

MICROWAVE BIOEFFECTS. CURRENT STATUS AND CONCEPTS 2133

THE INFLUENCE OF MICROWAVE RADIATION ON NORMAL AND NEOPLASTIC CELLS 2602+

EFFECT OF MICROWAVE RADIATION ON CELLS TREATED WITH MEMBRANE-INJURING SUBSTANCES 2717+

INHIBITION OF TUMOR GROWTH IN MICE BY MICROWAVE HYPERTHERMIA, STREPTOLYSIN S AND COLCEMIDE 2753+

DISCUSSION: EFFECTS OF MICROWAVE RADIATION AT THE CELLULAR AND MOLECULAR LEVEL. 3268

SZWARNOWSKI, S. BOLUS FOR MICROWAVE HEATING OF TISSUES. 0154

SZYMANOWSKI, W. T.
AN EFFECT OF SHORT ELECTRIC WAVES ON DIPHTHERIA TOXIN INDEPENDENT OF THE HEAT FACTOR 0531

T

TABET, R.
PROTECTION AFFORDED BY THE METAL CAPSULE OF PACEMAKERS AGAINST EXTERNAL EM EFFECTS: FACT OR FICTION? (IN FRENCH) 2588

TABRAH, F. L.
EFFECTS OF ALTERNATING MAGNETIC FIELD (12 GAUSS) ON TRANSPLANTED NEUROBLASTOMA 1797

TABUSE, K. MICROWAVE TISSUE COAGULATOR. 0193+

TACKE, R. T.
ELECTRICAL ENHANCEMENT OF HEALING IN COMBAT INJURIES TO HARD AND SOFT TISSUES 1428

TACKER, W. A.
DEFIBRILLATION 1880

TAEGE, M.
OPERANTES TRINKVERHALTEN VON RATTEN IN HOCHSPANNUNGS- 50 HZ-WECHSELFELDERN 2365

TAFLOVE, A.
COMPUTATION OF THE EM FIELDS AND INDUCED TEMPERATURES WITHIN A MODEL OF THE MICROWAVE-IRRADIATED HUMAN EYE 1043+

A PASSIVE ELECTRODELESS METHOD FOR DETERMINING THE INTERIOR FIELD OF BIOLOGICAL MATERIALS 1235

TAGGART, H. E.
CALIBRATION PRINCIPLES AND PROCEDURES FOR FIELD STRENGTH METERS (30 HZ TO 1 GHZ) 3494+

TAJCHERT, J.
INVESTIGATIONS OF THE CATARACTOGENIC INFLUENCE OF MICROWAVES OF 10 CM BAND 0989+

TAKAHASHI, K.
RAPID MICROWAVE FIXATION OF RAT BRAIN 0040

UNIFORM POLYMER DISTRIBUTION IN PAPERS SATURATED WITH POLYMER SOLUTIONS VIA MICROWAVE POWER 0723+

TAKASHIMA, S.
EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS :EFFECTS OF ACUTE & CHRONIC IRRADIATIONS 0095+

EFFECTS OF MODULATED RF ENERGY ON THE EEG OF MAMMALIAN BRAINS. II. APPEARANCE OF FAST AND SLOW WAVES AFTER CHRONIC IRRADIATIONS 0287+

STUDIES ON THE EFFECT OF RADIOFREQUENCY WAVES ON BIOLOGICAL MACROMOLECULES 0834+

EFFECTS OF RF FIELDS ON NERVOUS ACTIVITIES 2443

DIELECTRIC DISPERSION OF CRYSTALLINE POWDERS OF AMINO ACIDS, PEPTIDES & PROTEINS. 3203+

TAKENAGA, J.
BIOCHEMICAL CHANGES IN THE BRAIN OF RATS EXPOSED TO MICROWAVES OF LOW POWER DENSITY 1141

PGE-STIMULATION OF ADENYL CYCLASE IN THE BRAIN OF RATS EXPOSED TO LOW POWER DENSITY MICROWAVE RADIATION 2412

TALBERT, D.
EFFECT OF DIAGNOSTIC ULTRASOUND ON MATERNAL AND FETAL CHROMOSOMES 2938

TAMASHOVA, L. V.
SELECTION OF CONDUCTORS AND THEIR CONFIGURATION FOR OVERHEAD LINES WITH ALLOWANCES FOR CORONA LOSSES AND INTERFERENCES: METHOD OF THEIR MEASUREMENT 3593

TANABE, E.
TEMPERATURE CONTROLLED CAVITY APPLICATOR FOR RADIOFREQUENCY WAVE IRRADIATION OF MAMMALIAN CELLS IN VITRO 0256

DETERMINING THE ELECTRICAL PROPERTIES OF NORMAL AND MALIGNANT BIOLOGICAL TISSUE IN VIVO 3142

TANDON, S. N.
ELECTRICAL FIELD DISTRIBUTION IN THE HUMAN BODY 0869

TANIKAWA, T.
SINGLE NEURON ANALYSIS OF THE HUMAN MIDBRAIN TEGMENTUM 3394

TANNER, C. B.
RESPONSE OF PLANTS AND SOIL MICROORGANISMS TO EXTREMELY LOW FREQUENCY ELECTRIC FIELDS 1761

TANNER, J. A.
THE EFFECTS OF MICROWAVES ON BIRDS: PRELIMINARY EXPERIMENTS 0581+

CHANGES OF MUSCLE ACTION IN BIRDS EXPOSED TO A MICROWAVE FIELD 0760+

NON-THERMAL EFFECTS OF MICROWAVE RADIATION ON BIRDS 0761+

EFFECT OF MICROWAVE RADIATION ON BIRDS 0762+

EM FIELDS AND SKIN WOUND REPAIR 0904

BENEFICIAL AND HARMFUL ACCELERATED GROWTH INDUCED BY THE ACTION OF NONIONIZING RADIATION 1048+

BIOLOGICAL EFFECTS OF NONIONIZING RADIATION: AN OUTLINE OF FUNDAMENTAL LAWS 1051

INTERACTION OF EM FIELDS AND LIVING SYSTEMS 1254

BIRD FEATHERS AS SENSORY DETECTORS OF MICROWAVE FIELDS 1543+

SOME THEORY AND PRELIMINARY EXPERIMENTS ON MICROWAVE RADIOMETRY OF BIOLOGICAL SYSTEMS 1748

BIRD FEATHERS AS DIELECTRIC RECEPTORS OF RF FIELDS 1831

RADIOFREQUENCY FIELDS: A NEW ECOLOGICAL FACTOR 3060

TANSY, M.
STUDIES OF BIOLOGICAL HAZARDS FROM HIGH-POWER HF BAND TRANSMITTERS 1527

TANSY, M. F.
FINAL TECHNICAL REPT. ON RESEARCH PROJECT O STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 1 1424

FINAL TECHNICAL REPT. ON RESEARCH PROJECT TO STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 2
1425+

GASTROINTESTINAL MOTOR ACTIVITY FOLLOWING EXPOSURE TO A HIGH-FREQUENCY ELECTRIC FIELD
1853+

FINAL TECHNICAL REPORT ON RESEARCH PROJECT TO STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS
2979

TARAKHOVSKY, M. L.

EFFECT OF CONSTANT MAGNETIC FIELD ON THE COURSE OF PREGNANCY AND PROGENY DEVELOPMENT IN ALBINO RATS
1430+

EFFECT OF CONSTANT AND VARIABLE MAGNETIC FIELDS ON SOME INDICES OF PHYSIOLOGICAL FUNCTIONS AND METABOLIC PROCESSES IN WHITE RATS
2493+

TARASIUK, N. E.

EFFECT OF UHF FIELD OF SMALL INTENSITY ON INDICES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (IN RUSSIAN)
2079

TARASOV, G. M.

THE EFFECT OF STATIC ELECTRIC FIELD ON THE ORGANISM OF MAN AND ANIMALS
2812

TAROLLI, G.

AUTO-ELECTROTHERAPY IN NERVE LESIONS
3398

TARTARA, A.

UNILATERAL ELECTRIC SHOCK. ACUTE AND CHRONIC EXPERIMENTAL EEG'S ON RABBIT (IN ITALIAN)
1892+

TASBULATOV, Y. S.

THE NATURE OF THE EFFECT OF A MAGNETIC FIELD ON NUTRIENT MEDIUM COMPOSITION AND TOXIN PRODUCTION BY Cl PERFRINGENS, TYPE D
2482

TATE, R. L.

DOUGLAS-FIR TREE SEED GERMINATION ENHANCEMENT USING MICROWAVE ENERGY
1977

TAYLOR, E. M.

MICROWAVE INTERACTION WITH THE AUDITORY SYSTEMS OF HUMANS AND CATS
1046

ANALYSIS OF CENTRAL NERVOUS SYSTEM INVOLVEMENT IN THE MICROWAVE AUDITORY EFFECT
1047+

SOME EFFECTS OF EMR ON THE BRAIN AND SPINAL CORD OF CATS
1059+

MICROWAVE EFFECTS ON CENTRAL NERVOUS SYSTEM ATTRIBUTED TO THERMAL FACTORS
2388+

TAYLOR, J. K.

FUNCTIONAL STIMULATION OF THE SPINAL CORD IN MULTIPLE SCLEROSIS
0069

TAYLOR, L. S.

DEVICES FOR MICROWAVE HYPERTHERMIA
0341+

IMPLANTABLE RADIATORS FOR CANCER THERAPY BY MICROWAVE HYPERTHERMIA.
0388+

TAYLOR, M. A.

DIENCEPHALIC STIMULATION AND THE EFFECTS OF ECT IN ENDOGENOUS DEPRESSION
1652

TAYLOR, R. E.

AIRBORNE (0.4 TO 10 GHZ) ELECTROMAGNETIC ENVIRONMENT SURVEY OF U.S.A. URBAN AREAS
3153+

TCHAO, Y. H.

EFFET DE L'IRRADIATION HYPERFREQUENCE SUR LE MECANISME DE TANNAGE CHEZ TENEBRIO MOLITOR COLEPTERE
2432+

A SPECIFIC EFFECT OF THE BIOLOGICAL IMPACT OF MICROWAVES
3430+

TEED, R. W.

DIATHERMY MEASUREMENT TECHNIQUE
3465

TEIXEIRA-PINTO, A. A.

A NEW PHYSICAL METHOD OF CREATING CHROMOSOMAL ABERRATIONS
0491

REVIEW OF WORK ACCOMPLISHED AT THE NEW ENGLAND INST. FOR MEDICAL RESEARCH
1471+

THE BEHAVIOR OF UNICELLULAR ORGANISMS IN AN EM FIELD
1729+

TELL, R. A.

POPULATION EXPOSURE TO VHF AND UHF BROADCAST RADIATION IN THE UNITED STATES
0104+

MEASUREMENTS OF RADIOFREQUENCY FIELD INTENSITY IN BUILDINGS WITH CLOSE PROXIMITY TO BROADCAST STATIONS
0108+

NEAR-FIELD RADIATION PROPERTIES OF SIMPLE LINEAR ANTENNAS WITH APPLICATIONS TO RADIOFREQUENCY HAZARDS AND BROADCASTING.
0192+

A REVIEW OF SELECTED BIOLOGICAL EFFECTS AND DOSIMETRIC DATA USEFUL FOR DEVELOPMENT OF RADIOFREQUENCY SAFETY STANDARDS FOR HUMAN EXPOSURE.
0439+

AN ASSESSMENT OF ADVERSE HEALTH EFFECTS OF TELECOMMUNICATIONS TECHNOLOGY
0550

BROADCAST RADIATION: HOW SAFE IS SAFE?
0582+

REFERENCE DATA FOR RADIOFREQUENCY EMISSION HAZARD ANALYSIS
0584+

RF PULSE SPECTRAL MEASUREMENTS IN THE VICINITY OF SEVERAL AIR TRAFFIC CONTROL RADARS
0629+

CALCULATED FIELD INTENSITIES NEAR A HIGH POWER UHF BROADCAST INSTALLATION
0754+

MICROWAVE HAZARD MEASUREMENTS NEAR VARIOUS AIRCRAFT RADARS
0779+

MICROWAVE ENERGY ABSORPTION IN TISSUE
0938+

THE USE OF AN AUTOMATED POPULATION DATA BASE IN POPULATION EXPOSURE CALCULATIONS
1196

ASSESSING THE POTENTIAL FOR EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES
1422

A MEASUREMENT OF RF FIELD INTENSITIES IN THE IMMEDIATE VICINITY OF AN FM BROADCAST STATION ANTENNA
1701+

AN AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSITIES II
1717+

SIGNAL POLARIZATIONS IN THE VHF AND UHF BROADCAST SPECTRUM
1718+

NONIONIZING RADIATION EXPOSURE IN URBAN AREAS OF THE UNITED STATES
2056

BROADCAST RADIATION: A SECOND LOOK
2211+

OCULAR HEATING DURING DENTAL DIATHERMY TREATMENT
2465+

AN EXAMINATION OF ELECTRIC FIELDS UNDER EHV OVERHEAD POWER TRANSMISSION LINES
2609+

AN ANALYSIS OF BROADCAST RADIATION LEVELS IN HAWAII
2610+

RADIO-FREQUENCY RADIATION LEVELS IN URBAN AREAS
2734

AN ANALYSIS OF RADAR EXPOSURE IN THE SAN FRANCISCO AREA
2794+

NONIONIZING RADIATION IN THE ENVIRONMENT
2941

STEADY STATE EFFECTS OF MICROWAVE RADIATION ON MOLECULES OF BIOLOGICAL IMPORTANCE
2976

A LIQUID-CRYSTAL CONTACT LENS FOR MEASUREMENTT OF CORNEAL TEMPERATURE
3062

AN AUTOMATED MEASUREMENT SYSTEM FOR DETERMINING ENVIRONMENTAL RADIOFREQUENCY FIELD INTENSITIES
3094+

ENVIRONMENTAL NONIONIZING RADIATION EXPOSURE: A PRELIMINARY ANALYSIS OF THE PROBLEM AND CONTINUING WORK WITHIN EPA
3110+

MICROWAVE ENERGY ABSORPTION IN TISSUE.
3230+

ASSESSING THE POTENTIAL FOR EXPOSURE TO HAZARDOUS LEVELS OF MICROWAVE RADIATION FROM HIGH POWER SOURCES 3251

TELLES, N.
PANEL DISCUSSION II: FUTURE NEEDS IN RESEARCH ON THE BIOLOGICAL EFFECTS OF MICROWAVE AND R. F. RADIATION 1551

TELLES, N. C.
A REVIEW OF RADIUM TOXICITY STUDIES 3112

TELTSCHER, E. S.
ELECTRICAL SAFETY IN HEALTH-CARE FACILITIES 2357

TEMBROCK, G.
OPERANTES TRINKVERHALTEN VON RATTEN IN HOCHSPANNUNGS- 50 HZ-WECHSELFELDERN 2365

TEN'KOV, A. A.
DETERMINING INTRAVITAL CHARACTER AND TIME OF POSTMORTEM INJURY OF TISSUES AND ORGANS BY SUPERHIGH RADIOFREQUENCIES (IN RUSSIAN) 2074

TENFORDE, T. S.
CHANGES IN THE ELECTROCARDIOGRAMS OF RATS AND DOGS EXPOSED TO DC MAGNETIC FIELDS 0232

TENGROTH, B.
RETINAL CHANGES IN MICROWAVE WORKERS 0091+
OCCUPATIONAL EXPOSURE AND PUBLIC HEALTH ASPECTS OF MICROWAVE RADIATION 0098
LENTICULAR AND RETINAL CHANGES SECONDARY TO MICROWAVE EXPOSURE 1861
BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS 2542

TEOTIA, J. S.
DESTRUCTION OF SALMONELLAE ON POULTRY MEAT WITH LYSOZYME, EDTA, X-RAY, MICROWAVE AND CHLORINE 1324+

TERANAKA, M.
HEPATIC BLOOD FLOW MEASUREMENT 1844+

TERENIUS, L.
INCREASED CEREBROSPINAL FLUID LEVELS OF ENDORPHINS AFTER ELECTRO-ACUPUNCTURE 1189

TERESHIN, A. I.
HANDBOOK ON THE USE OF RADIO-MEASUREMENT INSTRUMENTS (1969) 3160+

TERRILL, J. G.
COST-BENEFIT ESTIMATES FOR THE MAJOR SOURCES OF RADIATION EXPOSURE 2975+

TEXTRON, I.
SATELLITE SOLAR POWER STATION: AN OPTION FOR POWER GENERATION 2951

THANSANDOTE, A.
MONITORING OF ARTERIAL WALL MOVEMENT BY MICROWAVE DOPPLER RADAR 0283

THAXTON, P.
SOME EFFECTS OF EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIATION 1088
HUMORAL IMMUNITY OF JAPANESE QUAIL SUBJECTED TO MICROWAVE RADIATION DURING EMBRYOGENY 2509

THEODOROU, I. E.
COAXIAL CELL FOR LIQUID DIELECTRIC MEASUREMENTS FROM 300 TO 9000 MHZ. 3339

THIBOS, L. N.
ELECTROPHYSIOLOGICAL EVIDENCE THAT ABNORMAL EARLY VISUAL EXPERIENCE CAN MODIFY THE HUMAN BRAIN 3022

THIEL, J. F.
CURRENT RADIO-FREQUENCY EMR SAFETY STANDARDS AS APPLIED TO MOBILE AND PORTABLE TELECOMMUNICATIONS TRANSMITTERS 2474+
RADIO-FREQUENCY EMR FROM PORTABLE AND MOBILE TELECOMMUNICATION TRANSMITTERS 2718+

THIEL, L. M.
INTERFEROMETRIC MEASUREMENTS OF THE COMPLEX DIELECTRIC CONSTANT OF LIQUIDS 3570

THODEN, U.
ELECTRICAL SPINAL CORD STIMULATION FOR SPASTIC MOVEMENT DISORDERS 3428

THOMAS, J. R.
MICROWAVE RADIATION AND CHLORDIAZEPOXIDE: SYNERGISTIC EFFECTS ON FIXED INTERVAL BEHAVIOR 0103+
EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON BEHAVIORAL BASELINES 1094+
MODIFICATION OF INTERNAL DISCRIMINATIVE STIMULUS CONTROL OF BEHAVIOR BY LOW LEVELS OF PULSED MICROWAVE RADIATION 2161+

THOMAS, R. H.
WHAT QUALITY-FACTOR? 2931

THOMPSON, G.
SHOCK THRESHOLD FIXES APPLIANCE INSULATION RESISTANCE 3281+

THOMPSON, J. E.
THERMOGRAPHIC TUMOR DETECTION ENHANCEMENT 0050+

THOMPSON, R. L.
MICROWAVE HAZARDS SURVEILLANCE AND CONTROL 0778+

THOMPSON, W. D.
BEHAVIORAL EFFECTS OF STIMULATION BY UHF RADIO FIELDS 0471
EFFECTS OF MICROWAVE EXPOSURE ON BEHAVIOR AND RELATED PHENOMENA 0733+
PERFORMANCE EFFECTS OF CHRONIC MICROWAVE RADIATION 2288

THOMSON, J. D.
TESTICULAR DEGENERATION AS A RESULT OF MICROWAVE IRRADIATION 2891

THOMSON, R. A.
COMPARATIVE STUDIES ON 1285 AND 2800 MC/SEC PULSED MICROWAVES 0532
EFFECTS OF EMR ON PHYSIOLOGIC RESPONSES 0533
BIOLOGIC EFFECTS OF MICROWAVE EXPOSURE 0829
BIOMEDICAL ASPECTS OF MICROWAVE IRRADIATION OF MAMMALS 3604

THORNTON, S. J.
A RESTRAINT DEVICE FOR CATS IN AN UHF EM ENERGY FIELD 1045

THORSON, J. M.
POWER SYSTEM DISTURBANCES DURING A K-8 GEOMAGNETIC STORM: AUGUST 4, 1972 3107

THOUVENOT, P.
MILLIMETER-WAVE THERMOGRAPHY: PRELIMINARY CLINICAL FINDINGS IN HEAD AND NECK DISEASES 0271

THRASHER, E. L.
DIFFERENTIAL RESPONSE TO ELECTRICAL STIMULATION: A DISTINCTION BETWEEN INDUCED OSTEOGENESIS IN INTACT TIBIAE AND THE EFFECT ON FRESH FRACTURE DEFECTS IN RADII 2773

THURSTON, G. B.
THE FREQUENCY DEPENDENCE OF THE KERR EFFECT FOR SUSPENSIONS OF RIGID PARTICLES 1732+

TIAZHELOV, V. V.
CHANGES IN CONDUCTIVITY OF ALAMETICIN-MODIFIED PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS)
0002+ PHOSPHOLIPID MEMBRANES IRRADIATED BY HIGH-FREQUENCY ELECTRO-MAGNETIC FIELD (IN RUS) 3433+

TICHONCHUK, V. S.
INJURY AND RECOVERY OF THE MOUSE ORGANISM AFTER MICROWAVE (2,400 MHZ) IRRADIATION. (IN RUS.) 0194+

TIGRANIAN, R. E.
NEW ARTIFACT-FREE ELECTRODES FOR RECORDING OF BIOLOGICAL POTENTIALS IN STRONG EM FIELDS 2743

TIGRANYAN, R. E.
TECHNIQUE FOR DERIVING ELECTROGRAMS OF THE HEART OF THE INTACT FROG DURING EXPOSURE TO SUPERHIGH FREQUENCY FIELD 2809

TIKHODEEV, N. N.
THE ELECTRICAL STRENGTH OF LARGE AIR GAPS AND THE SELECTION OF LINE INSULATING CLEARANCES: THE SELECTION OF LINE INSULATION IN NORMAL AND POLLUTED CONDITIONS 3591

TIKHONCHUK, V. S.
CUMULATIVE EFFECTS IN RESPONSE TO MICROWAVE IRRADIATION 0059+
EFFECTS OF DESTRUCTION AND REGENERATION OF THE RAT ORGANISM UNDER MICROWAVE IRRADIATION (2,400 MHZ). (IN RUS.) 0195+
THE EFFECTS OF INJURY AND RESTORATION OF THE ORGANISM OF RATS UNDER MICROWAVE IRRADIATION (2400 MHZ). 0440+
BIOLOGICAL INTERACTION BETWEEN RADIOFREQUENCY EM WAVES AND IONIZING RADIATION 0910
THE EFFECTS OF COMBINED SHF AND GAMMA IRRADIATION ON HEMOPOIESIS 1497+
CUMULATIVE EFFECTS IN RESPONSE TO MICROWAVE IRRADIATION. 2918+
REGERATIVE REACTIONS IN RATS AFTER MICROWAVE IRRADIATON (2400 MHZ). 2923+

TIMCHENKO, A. N.
MORPHOFUNCTIONAL STATUS OF THE HYPOPHYSEOGONADAL SYSTEM DURING EXPOSURE OF THE ORGANISM TO EM FIELDS WITH DIFFERENT CHARACTERISTICS (IN RUSSIAN) 1401

TINGA, W. R.
DIELECTRIC PROPERTIES OF MATERIALS FOR MICROWAVE PROCESSING-TABULATED. 3259+

TINNEY, C. E.
RATE EFFECTS IN ISOLATED HEARTS INDUCED BY MICROWAVE IRRADIATION 0526
RATE EFFECTS IN ISOLATED TURTLE HEARTS INDUCED BY MICROWAVE IRRADIATION 1029+

TITOV, G. N.
EFFECT OF CENTIMETER WAVES AND INDUCTOTHERMY ON THE ADRENOCORTICAL FUNCTION OF CHILDREN WITH BRONCHIAL ASTHMA 0282

TIULA, E.
DISTURBANCES IN THE FUNCTION OF CARDIAC PACEMAKER CAUSED BY SHORT WAVE AND MICROWAVE DIATHERMIES AND PULSED HIGH FREQUENCY CURRENT 2087

TIURIAEVA, A. A.
ALTERNATING MAGNETIC FIELD EFFECT UPON HEALING OF ULCERS OF THE LOWER EXTREMITIES (IN RUSSIAN) 2719+

TKACHENKO, I. M.
DYNAMICS IN CHANGES OF THE CEREBRAL ELECTRIC ACTIVITY IN PATIENTS WITH THE CLIMACTFRIC SYNDROME DURING THE TREATMENT BY PULSE CURRENT (IN RUSSIAN) 1409

TKACHENKO, N. M.
DYNAMICS OF CHANGES OF THE CORTICAL-SUBCORTICAL CORRELATIONS IN EXPERIMENTAL ANIMALS UNDER THE ACTION OF PULSED CURRENTS (BY THE METHOD OF ELECTROANALGESIA) 0024
SOME ASPECTS OF THE MECHANISM OF ACTION OF PULSED CURRENTS (ACCORDING TO THE METHOD OF A ELECTROANALGESIA 3427

TOCKMAN, M. S.
EVALUATION OF THE HEALTH OF PERSONNEL WORKING NEAR PROJECT SANGUINE BETA TEST FACILITY FROM 1971 TO 1972 1668

TODOROV, N.
THE EFFECT OF THE PULSE ULTRA-HIGH FREQUENCY EM FIELD ON THE SERUM CHOLESTEROL CONTENT OF RABBITS 0693+

TOISHI, T.
RAPID MICROWAVE FIXATION OF RAT BRAIN 0040

TOKITA, N.
SELECTIVE HEATING OF CUTANEOUS HUMAN TUMORS AT 27.12 MHZ 0048
LOCAL TUMOR HYPERTHERMIA IN COMBINATION WITH RADIATION THERAPY. 1.MALIGNANT CUTANEOUS LESIONS 2618

TOLBERT, B. M.
NUCLEAR AND ELECTRON PARAMAGNETIC RESONANCE AND ITS APPLICATION TO BIOLOGY 0832

TOLER, J. C.
MEDICAL WORKING GROUP SUMMARY 0316+
ACCURATE MEASUREMENT OF MICROWAVE FIELDS FOR MEDICAL AND BIOLOGICAL APPLICATIONS 2391+
PRELIMINARY IN-VIVO PROBE MEASUREMENTS OF ELECTRICAL PROPERTIES OF TUMORS IN MICE 2455
ELECTROMAGNETIC SPECTRUM CONGESTION INVESTIGATION 2965

TOLGSKAYA, M. S.
MORPHOLOGICAL STUDIES OF THE EFFECT OF RADIOWAVES ON THE NERVOUS SYSTEM OF RATS SENSITIVE TO SONIC STIMULI 1351+
VARIATIONS OF THE NEUROSECRETORY FUNCTION OF THE HYPOTHALAMUS AND NEUROHYPOPHYSIS AS A RESULT OF CHRONIC IRRADIATION WITH LOW INTENSITY CENTIMETER WAVELENGTHS 1352+
MORPHOLOGICAL CHANGES IN EXPERIMENTAL ANIMALS EXPOSED TO RF EM FIELDS OF THE 155 AND 191 MHZ RANGE 1359+
A COMPARISON OF THE EFFECTS OF DIFFERENT MICROWAVE RANGES IN PULSE-CODE MODULATION AND CONTINUOUS GENERATION 1365
THE EFFECTS OF INTERMITTENT AND CONTINUOUS IRRADIATION ON CHANGES IN THE SECRETORY FUNCTION OF THE HYPOTHALAMUS AND CERTAIN ENDOCRINE GLANDS 1450+
PATHOANATOMICAL CHARACTERIZATION OF CHANGES INDUCED IN EXPERIMENTAL ANIMALS BY COMBINED IRRADIATION WITH MICROWAVES AND X-RAYS 1454+
RESULTS OF EXPERIMENTAL STUDIES ON EM IRRADIATION WITH LOW INTENSITY USW, SW, AND MW 1456
PATHOLOGICAL EFFECTS OF RADIO WAVES 2248+
RESEARCH DATA ON THE STANDARDIZATION OF EM FIELDS IN THE SHORT AND ULTRASHORT WAVE RANGES 2555
MORPHOPHSIOLOGICAL CHANGES UNDER THE EFFECTS OF RADIOFREQUENCY ELECTROMAGNETIC FIELDS 3026+
BIOLOGICAL EFFECT OF MICROWAVE OF LOW INTENSITY 3065

TOLLEFSON, J. J.
OVICIDAL LEVELS OF 2.45 GHZ EM ENERGY FOR THE SOUTHERN CORN ROOTWORM 1126

TOLLES, W. E.
ENERGY DENSITIES OF MICROWAVE RADIATING SYSTEMS 3459+

TOMASHEVSKAYA, L. A.
BIOEFFECTS IN RESPONSE TO A LOW INTENSITY PULSED 9,400 MHZ MICROWAVE ELECTROMAGNETIC FIELD 0415
BIOLOGICAL ACTION OF AN INDUSTRIAL FREQUENCY (50 HZ) ELECTRIC FIELD. 0436

TOMOSHIN, V. I.
REGIONAL LOCATION OF METEOROLOGICAL RADAR STATIONS 1439

TOMPKINS, E.
A REVIEW OF RADIUM TOXICITY STUDIES 3112

TOOLE, A.
INTERDISCIPLINARY APPROACHES IN ELECTRICALLY MEDIATED BONE GROWTH STUDIES
2240

TORLONI, M.
MICROWAVE DRYING OF MICROORGANISMS: I. INFLUENCE OF THE MICROWAVE ENERGY AND OF THE SAMPLE THICKNESS ON THE DRYING OF YEAST
1384

TORMA, I.
MICROWAVE METHOD FOR DETERMINING DIELECTRIC PARAMETERS OF LIVING BIOLOGICAL OBJECTS I.
0034

TOROPTSEV, I. V.
MORPHOLOGICAL CHARACTERISTICS OF THE BIOLOGICAL ACTION PRODUCED BY MAGNETIC FIELDS
2494+

TOVMASIAN, V. S.
EFFECT OF ELECTROSTATIC FIELD ON ANTIBODY SYNTHESIS (IN RUSSIAN)
2229+

TRABOULAY, E. A.
BIOLOGICAL EFFECTS OF NON-IONIZING RADIATION
1216

BIOLOGICAL EFFECTS OF MICROWAVE RADIATION ON THE TESTES OF SWISS MICE
1268

EVALUATION OF DOMINANT LETHAL TEST AND DNA STUDIES IN MEASURING MUTAGENICITY CAUSED BY NON-IONIZING RADIATION
2177

THERMAL PROFILES OF NATIVE AND MICROWAVE-IRRADIATED DNA
2352

TRABUCCHI, M.
FOCUSSED MICROWAVE RADIATION: A TECHNIQUE TO MINIMIZE POST MORTEM CHANGES OF CYCLIC NUCLEOTIDES, DOPA AND CHOLINE AND TO PRESERVE BRAIN MORPHOLOGY
1326

TRAVERS, W. D.
LOW LEVEL MICROWAVE EFFECTS ON THE TOTAL IRON BINDING CAPACITY OF PREGNANT RATS
2448+

TREDICI, T. J.
EVALUATION OF POSSIBLE MICROWAVE-INDUCED LENS CHANGES IN THE UNITED STATES AIR FORCE
1381

TREFILOVA, Y. V.
EFFECT OF CENTIMETER WAVES AND INDUCTOTHERMY ON THE ADRENOCORTICAL FUNCTION OF CHILDREN WITH BRONCHIAL ASTHMA
0282

TRESKUNOV, A. A.
EFFECTS OF MILLIMETER-BAND RADIO WAVES ON CERTAIN PROPERTIES OF BACTERIA
2303

TRICOLES, G.
SCATTERED MICROWAVE FIELDS NEAR A FINITE, PLANAR, DIELECTRIC SLAB
2720+

TRINH, N. G.
A STUDY OF CORONA DISCHARGES AT WATER DROPS OVER THE FREEZING TEMPERATURE RANGE
3135

A COMPARATIVE STUDY OF THE CORONA OERFORMANCE OF CONDUCTOR BUNDLES FOR 1200 KV TRANSMISSION LINES
3565+

TRNKOCZY, A.
EFFECT OF GRADUALLY MODULATED ELECTRICAL STIMULATION ON THE PLASTICITY OF ARTIFICIALLY EVOKED MOVEMENTS
2861

TROYANSKII, M. P.
HYGIENIC PROBLEMS OF THE EFFECT OF MICROWAVE EM FIELDS ON THE BODY
0586+

RADIO WAVES AND THE LIVING ORGANISM
2566

TRUBY, F. K.
PRELIMINARY INVESTIGATION OF THE APPLICATIONS OF MAGNETIC RESONANCE ABSORPTION SPECTROSCOPY TO THE STUDY OF THE EFFECTS OF MICROWAVES ON BIOLOGICAL MATERIALS
1472

TRZASKA, H.
THE INSOUCIANT SPARROWS OF CONSTANTINOV: A CASE STUDY OF EM ETHOLOGY
2168

MAGNETIC FIELD STANDARD AT FREQUENCIES ABOVE 30 MHZ
2189+

TSAI, L. L.
NUMERICAL ANALYSIS OF EM FIELDS IN BIOLOGICAL TISSUES
0781

EM FIELDS INDUCED INSIDE ARBITRARY CYLINDERS OF BIOLOGICAL TISSUE
1613

TSANG, L.
INTERFERENCE PATTERNS OF A HORIZONTAL ELECTRIC DIPOLE OVER LAYERED DIELECTRIC MEDIA
0748+

TSAO, C. K.
DESIGN OF MILLIMETER WAVE COMMUNICATION SYSTEMS
3456+

TSONG, T. Y.
FORMATION AND RESEALING OF PORES OF CONTROLLED SIZES IN HUMAN ERYTHROCYTE MEMBRANE
2297

HEMOLYSIS OF HUMAN ERYTHROCYTES BY A TRANSIENT ELECTRIC FIELD
2372

TSYPLAKOVA, G. V.
HYGIENIC ASSESSMENT OF THE METHOD OF MAGNETIC TREATMENT OF WATER IN THE HOT WATER SUPPLY SYSTEM (IN RUSSIAN)
2603+

TSYROV, G. I.
INFLUENCE OF ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FREQUENCY ON THE THYROID GLAND FUNCTIONAL ACTIVITY AND 131 I-THYROXIN BINDING BY TISSUES OF ALBINO RAT ORGANS
3432

TUBA, H.
ELECTROMAGNETIC FIELD AND THE LIVING ENVIRONMENT
3481

TUCHMANN-DUPLESSIS, H.
NON-MENDELIAN DEVELOPMENTAL DEFECTS: ANIMAL MODELS AND IMPLICATIONS FOR RESEARCH INTO HUMAN DISEASE
2889

TUCKER, R. D.
HUMAN PERCEPTION OF MODERATE STRENGTH LOW FREQUENCY MAGNETIC FIELDS
1657

HUMAN PERCEPTION OF MODERATE STRENGTH LOW FREQUENCY MAGNETIC FIELDS
2813+

TUHA, H.
ELECTROMAGNETIC FIELDS AND THE LIFE ENVIRONMENT
2249

TUMA, M.
NEGATIVE INFLUENCE OF BIOMAGNETIC EFFECTS ON THE ORGANISM OF PUPILS IN LABORATORIES. (IN SLO)
0342+

TUPPER, B. C.
FIELD MAPPING OF CW FACILITY
3537+

TURAYEVA, A. P.
CARDIOVASCULAR CHANGES RESULTING FROM CHRONIC EXPOSURE TO AN ULTRAHIGH-FREQUENCY FIELD
1939

TURCHANINOVA, L. N.
EFFECTS OF EM WAVES OF THE MILLIMETRIC RANGE ON THE ENERGY METABOLISM OF LIVER MITOCHONDRIA
2811

TUREK, I. S.
ELECTROCONVULSIVE THERAPY AND EEG CORRELATES IN DEPRESSIVE DISORDERS
1870

TURGEON-KNACK, C.
SURVIVAL OF CANINE KIDNEYS AFTER TREATMENT WITH DIMETHYLSULFOXIDE, FREEZING AT -80 DEGREES CELSIUS, AND THAWING BY MICROWAVE ILLUMINATION
2698

TURNER, J. J.
THE EFFECTS OF RADAR ON THE HUMAN BODY (RESULTS OF RUSSIAN STUDIES ON THE SUBJECT)
1203+

TURNER, M. J.
ELECTRICAL STIMULATION WITH PT ELECTRODES: II–ESTIMATION OF MAXIMUM SURFACE REDOX (THEORETICAL NON-GASSING) LIMITS
0973

ELECTROCHEMICAL CONSIDERATIONS FOR SAFE ELECTRICAL STIMULATION OF THE NERVOUS SYSTEM WITH PLATINUM ELECTRODES
1907

TURNER, P. F.
PHYSICAL HYPERTHERMIA AND CANCER THERAPY. 0390

TURRELL, W. J.
SHORT WAVE THERAPY 0587+

TUTTLE, W. W.
THE CONSTRUCTION, CALIBRATION AND USE OF THERMOCOUPLES FOR MEASURING BODY TEMPERATURE 3457+

TYAGIN, N. V.
THE INFLUENCE OF SUPER-HIGH FREQUENCY PULSED ELECTROMAGNETIC FIELD ON CONCEPTION AND THE COURSE OF PREGNANCY IN WHITE MICE 2875

TYAZHELOV, V. V.
NEW ARTIFACT-FREE ELECTRODES FOR RECORDING OF BIOLOGICAL POTENTIALS IN STRONG EM FIELDS 2743+

TYLER, P. E.
OVERVIEW OF THE BIOLOGICAL EFFECTS OF EMR 0588+
WHERE ARE WE AND WHERE ARE WE GOING? 0821+
NON IONISING EM FIELDS: ENVIRONMENTAL FACTORS IN RELATION TO MILITARY PERSONNEL 0837
OVERVIEW OF EMR RESEARCH: PAST, PRESENT, AND FUTURE 1055+
THE U.S. NAVY'S PROGRAM IN NON-IONIZING RADIATION 2519+
MICROWAVE RADIATION-MEDICAL SURVEILLANCE 2536+

TYLER, S.
THE LOG-NORMAL FUNCTION AS A STOCHASTIC MODEL OF THE DISTRIBUTION OF STRONTIUM-90 AND OTHER FISSION PRODUCTS IN HUMANS 3178

U

U, R.
DETERMINING THE ELECTRICAL PROPERTIES OF NORMAL AND MALIGNANT BIOLOGICAL TISSUE IN VIVO 3142

U. S. AIR FORCE
ELECTROMAGNETIC INTERFERENCE AND RADIATION HAZARDS 2994+

U. S. I. A.
VOICE OF AMERICA BROADCASTING TRANSMITTWRS 3501+

UDALOV, Y. F.
EFFECTS OF SHF FIELDS ON ENZYMATIC ACTIVITIES AND PYRIDOXINE LEVELS IN THE ORGANS OF WHITE RATS 1513

UDINTSEV, N. A.
PATHOGENESIS OF INSULIN DEFICIENCY INDUCED BY ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FREQUENCY (IN RUSSIAN) 0014
PATHOGENESIS OF INSULIN DEFICIENCY ON EXPOSURE TO COMMERCIAL-FREQUENCY ALTERNATING MAGNETIC FIELD 0249
MECHANISM OF REACTION OF THE HYPOPHYSEO-ADRENAL SYSTEM ON STRESS ACTION OF THE ALTERNATING MAGNETIC FIELD (IN RUSSIAN) 2077+
INFLUENCE OF ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FREQUENCY ON THE THYROID GLAND FUNCTIONAL ACTIVITY AND 131 I-THYROXIN BINDING BY TISSUES OF ALBINO RAT ORGANS 3432+

UDUPA, K. N.
EFFECT OF ELECTRIC SHOCK ON SEROTONIN (5 HT) CONTENT IN DIFFERENT ORGANS OF RAT 2227

UEYAMA, R.
HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW 1279

UKHOV, I. I.
HETEROGENEITY OF THE REACTIONS OF NEURONS FROM DIFFERENT PARTS OF THE BRAIN TO REPEATED SHF IRRADIATION (IN RUS) 0350

UKOLOVA, M. A.
ENERGY METABOLISM OF THE HYPOTHALAMO-HYPOPHYSEAL PART OF RAT BRAIN IN THE ANTITUMORAL EFFECT OF A MAGNETIC FIELD 1557+

UL'BERG, Z. R.
EFFECTS OF HEAVY METAL IONS AND ELECTRICAL FIELD ON THE ELECTROKINETIC PROPERTIES OF MICROBIAL CELLS (IN RUSSIAN) 0015

ULLRICH, B.
THE EFFECT OF CONTINUOUS EXPOSURE TO LOW FREQUENCY ELECTRIC FIELDS ON THREE GENERATIONS OF MICE: A PILOT STUDY 0674

UMANSKII, D. M.
EFFECT OF A MAGNETIC FIELD ON THE DIELECTRIC CONSTANT OF PROCESS WATER 0934+

UMEHARA, S.
HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW 1279

UMEMURA, S.
DIELECTRIC RELAXATION OF COLLAGEN IN AQUEOUS SOLUTIONS 0031+

UNDERWOOD, R. G.
THE DIPOLE/SLOT RADIATION PATTERN AND ITS USE IN UNDERSTANDING MICROWAVE LEAKAGE AND SURVEY TECHNIQUES 0773

UNGETHUEM, E.
MEASUREMENTS OF THE VLF-NOISE LEVEL (IN GERMAN) 2568+

URSIC, I.
PROGRAMMED SIX-CHANNEL ELECTRICAL STIMULATOR FOR COMPLEX STIMULATION OF LEG MUSCLES DURING WALKING 0094

USAEC, D. O.
FINAL ENVIRONMENTAL STATEMENT RELATED TO THE PROPOSED GREENWOOD ENERGY CENTER, UNITS 2 AND 3, DETROIT, EDISON, CO 3120+

USHAKOV, A. A.
EXPERIENCE WITH DECIMETER WAVE THERAPY AS PART OF COMPREHENSIVE TREATMENT FOR PATIENTS WITH PEPTIC ULCER 2804

USSR AND MINISTRY FOR THE PROTECTION OF HEALTH, U. S.
STANDARDS AND REGULATIONS FOR THE PROTECTION OF LABOR DURING WORK ON SUBSTATIONS AND TRANSMISSION LINES AT VOLTAGES OF 400-, 500-, AND 750 KV ALTERNATING CURRENT AT INDUSTRIAL FREQUENCY 3077

UTLAUT, W. F.
RADIO-WAVE MODIFICATION OF THE IONOSPHERE 3505+

UZHVA, N. F.
IMMUNOLOGICAL REACTIVITY OF THE BODY UNDER THE EFFECT OF SUPER-HIGH FREQUENCY EM FIELDS UNDER THE CONDITIONS OF DIFFERENT ULTRAVIOLET RADIATIONS (IN RUSSIAN) 2715

V

VACEK, A.
EFFECT OF HIGH-FREQUENCY EM FIELD UPON HAEMOPOIETIC STEM CELLS IN MICE 0735
THE EFFECT OF EMR ON THE HEMATOPOIETIC STEM CELLS OF MICE 1075
MODIFICATION OF THE REPAIR OF RADIATION DAMAGE OF HAEMATOPOIESIS IN MICE BY MICROWAVES 1136
NON-CONTACT DETERMINATION OF TEMPERATURE CHANGES IN MICE DURING MICROWAVE IRRADIATION 1695
MODIFICATION OF REPAIR OF X-IRRADIATION DAMAGE OF HEMOPOIETIC SYSTEM OF MICE BY MICROWAVES 2801

VAGUINE, V.
TEMPERATURE CONTROLLED CAVITY APPLICATOR FOR RADIOFREQUENCY WAVE IRRADIATION OF MAMMALIAN CELLS IN VITRO 0256

VAL'NEVA, Y. S.
MICROWAVE THERAPY OF INFLAMMATION OF THE GENITALS 2353

VALEK, L.
ATTEMPT AT DEMONSTRATING THE EFFECT OF A WEAK MAGNETIC FIELD ON TARAXACUM OFFICINALE 0941

VALENCIA, V. I.
AFRRI ELECTROMAGNETIC PULSE (EMP) SIMULATOR 2085

VALENTINO, A. R.
A PILOT STUDY OF THE INTERACTION OF EXTREMELY LOW FREQUENCY EM FIELDS WITH BRAIN ORGANELLES 0799
LAB. SIMULATION OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS 1672+
PILOT ECOLOGICAL FIELD SURVEYS 1750
SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO ELF MAGNETIC FIELDS 1754
SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO 60 HZ MAGNETIC FIELDS 2271+
A SMALL ELF ELECTRIC FIELD PROBE 2280+
ELF EARTH RETURN CIRCUIT ELECTROMAGNETIC FIELDS AND THEIR SIMULATION 3080+

VALTONEN, E.
SIMULTANEOUS APPLICATION OF PULSED HIGH FREQUENCY CURRENTS AND GAMMA-RAYS TO CULTURED MELANOMA CELLS 1281

VALTONEN, E. J.
GIANT MAST CELLS–A SPECIAL DEGENERATIVE FORM PRODUCED BY MICROWAVE RADIATION 0651+
DISTURBANCES IN THE FUNCTION OF CARDIAC PACEMAKER CAUSED BY SHORT WAVE AND MICROWAVE DIATHERMIES AND PULSED HIGH FREQUENCY CURRENT 2087+

VAN CAUWENBERGHE, R.
CONTROL OF GRAIN INSECTS BY MICROWAVE POWER 3066

VAN DE GREIK, A.
A REVIEW OF IN-LINE RF POWER METERS FOR USE WITH ULTRASONIC INSTRUMENTATION, (FDA) 73-8030, BRH/DEP N73-3 3044

VAN DE GRIEK, A.
AMENDMENTS TO THE U. S. DEPT. OF HEALTH, EDUCATION, AND WELFARE MICROWAVE OVEN PERFORMANCE STANDARD 1817+
THE MICROWAVE OVEN SAFETY DEBATE 2471

VAN GRONDELLE, R.
ON THE MAGNETIC FIELD DEPENDENCE OF THE YIELD OF THE TRIPLET STATE IN REACTION CENTERS OF PHOTOSYNTHETIC BACTERIA 2401

VAN LOON, R.
MEASUREMENT OF COMPLEX PERMITTIVITY OF LIQUIDS AT FREQUENCIES FROM 5 TO 40 GHZ. 3231+

VAN PELT, W. F.
A REVIEW OF SELECTED BIOEFFECTS THRESHOLDS FOR VARIOUS SPECTRAL RANGES OF LIGHT 0653+
MICROWAVE HAZARD EVALUATION (A FIELD SURVEY FORM) 3549

VAN UMMERSEN, C.
EFFECTS OF MICROWAVE ON THE CHICK EMBRYO 1467+

VAN UMMERSEN, C. A.
OPACITIES IN THE LENS OF THE EYE EXPERIMENTALLY INDUCED BY EXPOSURE TO MICROWAVE RADIATION 0455
THE ACTION OF MICROWAVE RADIATION ON THE EYE 0457
EXPERIMENTAL MICROWAVE CATARACTS 0652+
EFFECTS OF MICROWAVE RADIATION ON THE LENS EPITHELIUM IN THE RABBIT EYE 1044+
REPT. OF WORK IN PROGRESS AT TUFTS U. 1466

VAN WYE, R. F.
REGULATIONS, STANDARDS, AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION, AND RADIATION FROM LASERS AND TELEVISION RECEIVERS–AN ANNOTATED BIBLIOGRAPHY 0562
AN ANNOTATED BIBLIOGRAPHY OF REGULATIONS, STANDARDS AND GUIDES FOR MICROWAVES, ULTRAVIOLET RADIATION AND RADIATION FROM LASERS AND TELEVISION RECEIVERS 0597

VANDERLINDEN, G.
DORSAL COLUMN STIMULATION 1385

VANUMMERSEN, C. A.
BIOLOGICAL EFFECTS OF MICROWAVE RADIATION, WITH PARTICULAR REFERENCE TO THE EYE 2869

VAQUERO, J.
CHRONIC PATEOCEREBELLAR STIMULATION FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS 3414

VARMA, M. M.
BIOLOGICAL EFFECTS OF NON-IONIZING RADIATION 1216+
BIOLOGICAL EFFECTS OF MICROWAVE RADIATION ON THE TESTES OF SWISS MICE 1268+
EVALUATION OF DOMINANT LETHAL TEST AND DNA STUDIES IN MEASURING MUTAGENICITY CAUSED BY NON-IONIZING RADIATION 2177+
MUTAGENICITY INDUCED BY NON-IONIZING RADIATION IN SWISS MALE MICE 2178+
THERMAL PROFILES OF NATIVE AND MICROWAVE-IRRADIATED DNA 2352+

VASIL'YEV, L. L.
EXPERIMENTS ON PSYCHOMAGNETISM 1555+

VASIL'YEV, N. V.
COMPLEX REACTION OF LYMPHOID TISSUE TO INTERMITTENT MAGNETIC FIELDS 1997
ELEMENTS OF SIMILARITY IN THE REACTION OF THE LYMPHOID TISSUE TO ANTIGENIC AND NONANTIGENIC (ALTERNATING MAGNETIC FIELD) STIMULATION 2039+

VASIL'YEVA, T. B.
EFFECT OF A HIGH-INTENSITY MAGNETIC FIELD ON ENZYMATIC HYDROLYSIS OF NUCLEIC ACIDS 1558

VASILESCU, V.
CURRENT PROBLEMS OF THE BIOLOGICAL EFFECT OF MICROWAVES (IN RUMANIAN) 2721+
METHODS OF DOSIMETRY AND MEASURING IN MICROWAVE FIELDS (IN RUMANIAN) 2722+

VASIN, I. A.
INVESTIGATION OF FLUORESCENCE POLARIZATION OF CHLORELLA CELLS AND PEA CHLOROPLASTS ORIENTED IN A MAGNETIC FIELD 0197+

VASISHTH, R. C.
UNIFORM POLYMER DISTRIBUTION IN PAPERS SATURATED WITH POLYMER SOLUTIONS VIA MICROWAVE POWER 0723

VATIN, A. E.
COMBINATION OF CARMINOMYCIN WITH UHF HYPERTHERMIA IN THE TREATMENT OF SARCOMA 180 (IN RUSSIAN) 0252

VAUGHAN, B. E.
DEPOLARIZATION OF THE NEURALLY BLOCKED GASTRIC MUCOSA OF THE RAT 0623

VAUTRIN
RADIOFREQUENCIES AND HYPERFREQUENCIES, APPLICATIONS AND RISKS (IN FRENCH) 3435+

VAVASOUR, E. J.
PERMEABILITY OF THE BLOOD-BRAIN BARRIER TO MANNITOL IN THE RAT FOLLOWING 2450 MHZ MICROWAVE IRRADIATION 0313

VAVOLA, D. A.
SOVIET SCIENTISTS ENGAGED IN RESEARCH ON THE EFFECTS OF ELECTROMAGNETIC FIELDS 3577+

VAWTER, S. M.
RADIATION HAZARDS FROM THERAPEUTIC MICROWAVE DIATHERMY
2464+

VEATCH, M. D.
REMOTE SENSING OF SOUTHEASTERN WASHINGTON - PART I INFRARED SCANNING IMAGERY
3567

VECLI, A.
QUANTITATIVE RADIATION EFFECTS IN HEMOPROTEINS AND THEIR CONSTITUENTS.
3202

VEGHTE, J. H.
JACKRABBIT EARS: SURFACE TEMPERATURES AND VASCULAR RESPONSES.
2912

VELA, G. R.
MECHANISM OF LETHAL ACTION OF 2450-MHZ RADIATION ON MICROORGANISMS.
0196+

EFFECT OF 2450 MHZ MICROWAVE RADIATION ON SOME SOIL MICROORGANISMS IN SITU
1918+

VEOMETT, R. C.
EFFECTS OF INTERSITIAL IRRADIATION ALONE, OR COMBINATION WITH LOCALIZED HYPERTHERMIA ON THE RESPONSE OF A MOUSE MAMMARY TUMOR
3423

VERICAT, F.
DIELECTRIC PROPERTIES OF HYDRATED COLLAGEN
0010

VERKHOTUROV, V. N.
INVESTIGATION OF FLUORESCENCE POLARIZATION OF CHLORELLA CELLS AND PEA CHLOROPLASTS ORIENTED IN A MAGNETIC FIELD
0197

VERNIGORA, Y. V.
HISTOMORPHOLOGICAL INVESTIGATION OF REGENERATION OF WOUNDS IN ANIMALS EXPOSED TO THE LONG-TERM ACTION OF LOW-INTENSITY MICROWAVES
1519

VERULASHVILI, Y. V.
DYNAMICS IN CHANGES OF THE CEREBRAL ELECTRIC ACTIVITY IN PATIENTS WITH THE CLIMACTERIC SYNDROME DURING THE TREATMENT BY PULSE CURRENT (IN RUSSIAN)
1409

VETTER, R. J.
MICROWAVE DOSIMETRY
0654+

APPLICATION OF NONTHERMAL EFFECTS IN HIGH DIELECTRIC MATERIALS TO MICROWAVE DOSIMETRY
1747+

TEMPERATURE DISTRIBUTIONS INDUCED BY 2450 MHZ MICROWAVE RADIATION IN A TRILAYERED SPHERICAL PHANTOM
1816

LOW LEVEL MICROWAVE EFFECTS ON THE TOTAL IRON BINDING CAPACITY OF PREGNANT RATS
2448

VEUM, T. L.
RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS. II. EFFECTS ON BLOOD CELLS AND BLOOD MINERALS.
0144

RESPONSE OF STRESS-SUSCEPTIBLE AND STRESS-RESISTANT HAMPSHIRE PIGS TO ELECTRICAL STRESS. I. PHYSIOLOGICAL & BIOCHEMICAL EFFECTS.
0199+

VIALARD-GOUDOU, A.
USE OF AN INDUSTRIAL PROTOTYPE MACHINE FOR DRYING AND STERILIZING PHARMACEUTICAL AMPOULES BY MICROWAVES AT 2.45 GHZ
1228

VIANCOUR, T. A.
PERIPHERAL ELECTROSENSE PHYSIOLOGY: A REVIEW OF RECENT FINDINGS.
0343+

VIERU, S.
LOW ENERGY EM PERTURBATION OF AN ENZYME SUBSTRATE
0487

VIKTORA, L.
INFLUENCE OF ROTATING MAGNETIC FIELD OF 200 GAUSS ON SPLENECTOMIZED MICE (IN CZECHOSLOVAKIAN)
2709

VILENSKAYA, R. L.
RESTORATIVE PROCESSES IN BONE MARROW IN RESPONSE TO SUPER-HIGH FREQUENCY RADIATION
1484

MOUSE BONE MARROW REACTION TO ALTERED UHF MILLIMETER IRRADIATION PARAMETRIC VARIATION
1485

CERTAIN METHODOLOGICAL PROBLEMS AND RESULTS OF EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF MICROWAVES ON MICROORGANISMS AND ANIMALS
2300

A STUDY OF THE EFFECTS OF MILLIMETER-BAND MICROWAVES ON THE BONE MARROW OF MICE
2301

EFFECTS OF MILLIMETER-BAND EMR ON THE FUNCTIONAL ACTIVITY OF CERTAIN GENETIC ELEMENTS OF BACTERIAL CELLS
2302

VILLA, F.
CHANGES OF MUSCLE ACTION IN BIRDS EXPOSED TO A MICROWAVE FIELD
0760

VILLFORTH, J. C.
U. S. PUBLIC HEALTH SERVICE CONCERN AND ACTIVITIES RELATED TO HEALTH IMPLICATIONS OF MICROWAVE RADIATION
1369+

OVERVIEWS ON NONIONIZING RADIATION
2021

VINARSKAIA, E. I.
EFFECT OF LOW-INTENSITY ELECTROMAGNETIC FIELD OF ULTRA HIGH FREQUENCY RANGE ON THE COURSE OF SLOW ALLERGIC REACTIONS. (IN RUSSIAN)
0344

VINARSKAYA, Y. I.
EFFECT OF A LOW-INTENSITY ELECTOMAGNETIC FIELD IN THE SUPER HIGH FREQUENCY RANGE ON THE COURSE OF ALLERGIC REACTIONS OF THE DELAYED TYPE.
0317

VINGERLING, P. A.
NON-INVASIVE TREATMENT OF EXTRACTION WOUNDS IN DOGS BY ELECTROMAGNETIC STIMULATION.
0209

VINOGRADOV, G. I.
EFFECT OF A LOW-INTENSITY ELECTOMAGNETIC FIELD IN THE SUPER HIGH FREQUENCY RANGE ON THE COURSE OF ALLERGIC REACTIONS OF THE DELAYED TYPE.
0317+

EFFECT OF LOW-INTENSITY ELECTROMAGNETIC FIELD OF ULTRA HIGH FREQUENCY RANGE ON THE COURSE OF SLOW ALLERGIC REACTIONS. (IN RUSSIAN)
0344+

IMMUNOLOGICAL EFFECTS OF LOW MICROWAVE EXPOSURE
0435

VINOGRADOV, I. I.
THE EFFECT OF LOW FREQUENCY ELECTRIC FIELD ON ANAPHYLACTIC SHOCK AND ANTIBODY PRODUCTION (IN RUSSIAN)
1937+

VINOGRADOV, Y. V.
LOW FREQUENCY ALTERNATING MAGNETIC FIELD IN THE TREATMENT OF PATIENTS WITH DEFORMING ARTHROSIS OF THE KNEE JOINTS
0278

VINOGRADOVA, G. I.
IMMUNOLOGICAL EFFECT OF MICROWAVES (IN RUSSIAN)
0029

IMMUNOLOGICAL REACTIVITY OF THE BODY UNDER THE EFFECT OF SUPER-HIGH FREQUENCY EM FIELDS UNDER THE CONDITIONS OF DIFFERENT ULTRAVIOLET RADIATIONS (IN RUSSIAN)
2715

VINOGRADOWA, A. D.
MAJOR PRINCIPLES IN SWITCHING OVERVOLTAGE PROTECTION OF EXTRA HIGH VOLTAGE POWER TRANSMISSIONS
3589+

VLADIMIRSKIY, B. M.
EXPERIMENTAL HELIOBIOLOGY
1479+

VLUGTER, J. C.
PHYSICAL PROPERTIES OF FATTY ACID METHYL ESTERS.V. DIELECTRIC CONSTANT.
3199

VOEGTLIN, C.
THE NATURE OF THE EFFECT OF A HIGH-FREQUENCY ELECTRIC FIELD UPON PARAMOECIUM
3464

VOGEL, W. H.
TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION
2340

STUDIES CONCERNING THE POSTNATAL EFFECTS OF PROTRACTED LOW

DOSE PRENATAL 915 MHZ MICROWAVE RADIATION 2864

STUDIES CONCERNING THE EFFECTS OF PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN THE PREGNANT RAT 2865

TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION. 2881

VOGELHUT, P. O.

INTERACTION OF MICROWAVE AND RADIO FREQUENCY RADIATION WITH MOLECULAR SYSTEMS 1533+

NONTHERMAL EFFECTS OF MICROWAVE RADIATION: EXPERIMENTS WITH ENZYMES 2293+

CAVITY PERTURBATION MEASUREMENT OF THE EFFECTS OF MICROWAVE RADIATION ON PROTEINS 2295

USE OF MICROWAVE TECHNIQUES FOR THE DETERMINATION OF BOUND WATER. 3207+

ANALYTICAL AND EXPERIMENTAL INVESTIGATION OF UNICELLULAR ORGANISMS WITH 3-CM MICROWAVES. 3212

VOGELMAN, J. H.

PHYSICAL CHARACTERISTICS OF MICROWAVE AND OTHER RADIO FREQUENCY RADIATION 1522+

PHYSICAL CHARACTERISTICS OF MICROWAVES AS RELATED TO BIOLOGICAL EFFECTS 1560+

VOIGT, H.

THE EFFECT OF RADAR ON CARDIAC PACEMAKERS 1316

VOLKOVA, A. P.

RESULTS OF EXPERIMENTAL STUDIES ON EM IRRADIATION WITH LOW INTENSITY USW, SW, AND MW 1456

CHANGES IN CERTAIN PROTECTIVE REACTIONS OF AN ORGANISM UNDER THE INFLUENCE OF SW IN EXPERIMENTAL AND INDUSTRIAL CONDITIONS 1457+

VOLOSHINA, E. I.

PATHOGENESIS OF INSULIN DEFICIENCY INDUCED BY ALTERNATING MAGNETIC FIELD OF INDUSTRIAL FREQUENCY (IN RUSSIAN) 0014

PATHOGENESIS OF INSULIN DEFICIENCY ON EXPOSURE TO COMMERCIAL-FREQUENCY ALTERNATING MAGNETIC FIELD 0249

VON ARDENNE, M.

SELECTIVE OCCLUSION OF TUMOR TISSUE CAPILLARIES BY HYPERTHERMIA SHOCK DURING HYPERGLYCEMIA (IN GERMAN) 0096+

ON A NEW PHYSICAL PRINCIPLE FOR SELECTIVE LOCAL HYPERTHERMIA OF TUMOR TISSUES. 0345+

VON GIERKE, H. E.

HEARING SENSATIONS IN ELECTRIC FIELDS 0572

VON HIPPEL, A.

DIELECTRIC STUDIES ON BIOPOLYMERS AND LIQUID STRUCTURE (I) 1904+

CONTRIBUTIONS TO THE MOLECULAR DIELECTRIC ANALYSIS OF POLAR LIQUIDS (I) 2282+

A NEW METHOD FOR MEASURING DIELECTRIC CONSTANT AND LOSS IN THE RANGE OF CENTIMETER WAVES. 3333

VON HIPPEL, A. R.

DIELECTRIC MATERIALS AND APPLICATIONS V. TABLES OF DIELECTRIC MATERIALS. 3258+

VOROB'EVA, A. M.

STUDY OF THE INACTIVATION OF VIRUS-CONTAINING WATER BY MEANS OF ELECTRICAL CURRENT (IN RUSSIAN) 2598

VORONIN, A. K.

HEALTH CONDITIONS OF WORKERS IN HIGH-VOLTAGE ELECTRIC FIELDS 3067

VORONTSOV, R. S.

THE EFFECTS OF INTERMITTENT AND CONTINUOUS IRRADIATION ON CHANGES IN THE SECRETORY FUNCTION OF THE HYPOTHALAMUS AND CERTAIN ENDOCRINE GLANDS 1450

PATHOANATOMICAL CHARACTERIZATION OF CHANGES INDUCED IN EXPERIMENTAL ANIMALS BY COMBINED IRRADIATION WITH MICROWAVES AND X-RAYS 1454

VOSBURGH, B. L.

RECOMMENDED TOLERANCE LEVELS OF M-W ENERGY: CURRENT VIEWS OF THE GENERAL ELECTRIC COMPANY'S HEALTH AND HYGIENE SERVICE 1571+

VOSKRESENSKAYA, G. A.

THE INFLUENCE OF UHF ELECTRIC FIELD ON SPERMATOGENESIS IN TREATMENT OF PATIENTS WITH EPIDIDYMITIS 0933

VOSS, W. A.

ROSES AND CABBAGES: MICROWAVE BIOEFFECTS LITERATURE IN 1978. 0198+

APPLICATIONS OF MICROWAVE THAWING TO THE RECOVERY OF DEEP FROZEN CELLS AND ORGANS: A REVIEW 0680+

USE OF A BACTERIOPHAGE SYSTEM FOR INVESTIGATING THE BIOLOGICAL EFFECTS OF LOW INTENSITY PULSED MICROWAVE RADIATION 0790

INFLUENCE OF MICROWAVE RADIATION ON THE NERVOUS SYSTEM AND BEHAVIOR 0895

MICROWAVE THAWING OF CELLS AND ORGANS 1260+

MICROWAVE HAZARD CONTROL IN DESIGN 1548+

ADVANCES IN THE USE OF MICROWAVE POWER. SEMINAR PAPER NO. 008 3045+

VOYCHYSHYN, K. S.

HUMAN SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS 2485

VOZNIAK, V. M.

EFFECT OF MAGNETIC FIELD ON THE RECOMBINATION FLUORESCENCE OF PHOTOSYNTHETIC BACTERIA (IN RUSSIAN) 0032+

VREELAND, R. W.

THE EFFECTS OF FM AND TV BROADCAST STATIONS UPON CARDIAC PACEMAKERS 1654+

CARDIAC PACEMAKERS AND EMI FROM THERAPEUTIC RADIATION GENERATING MACHINES 2316

PACEMAKER PERFORMANCE IN THE VICINITY OF FM AND TV TRANSMITTERS 2415+

TELEVISION FIELD INTENSITIES AT THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, MAY-JULY 1973 3552+

THE EFFECTS OF TELEVISION AND FM BROADCAST STATIONS UPON THE PERFORMANCE OF CARDIAC PACEMAKERS (PILOT STUDY) NOVEMBER 1972 3553+

VUTHIGANON, C.

SELECTIVE TUMOR HEATING AND GROWTH RETARDATION BY SHORTWAVE RADIOFREQUENCY. 0364

VYALOV, A. M.

EFFECT OF MAGNETIC FIELDS IN INDUSTRY ON THE CENTRAL NERVOUS SYSTEM (EEG DATA) 1426+

VYERKIN, B. I.

SENSITIVITY THRESHOLDS OF WHEAT STEMS AND ROOTS TO MAGNETIC FIELDS. 0377

W

WACHTEL, H.

EFFECTS OF LOW-INTENSITY MICROWAVES ON ISOLATED NEURONS 1058+

STRIPLINE TECHNIQUES IN THE STUDY OF MICROWAVE BIOLOGICAL EFFECTS ON ISOLATED NEURAL PREPARATIONS 1213

MICROWAVE-POWER ABSORPTION BY RECTANGULAR-SHAPED CONDUCTIVE DIELECTRIC SAMPLES IN STRIPLINE 1646

WACKER, P. F.

QUANTIFYING HAZARDOUS EM FIELDS: SCIENTIFIC BASIS AND PRACTICAL CONSIDERATIONS 0501+

QUANTIFYING HAZARDOUS MICROWAVE FIELDS: ANALYSIS
1545+

SECOND PROGRESS REPORT EM HAZARDS PROJECT
2852

WADA, Y.

DIELECTRIC RELAXATION OF COLLAGEN IN AQUEOUS SOLUTIONS
0031

WAGGOTT, D.

TUMOR ERADICATION IN THE RABBIT BY RADIOFREQUENCY HEATING
2585

WAGLE, G. P.

EEG PATTERNS IN RELATION TO RESPIRATORY RATE AND BODY MOVEMENT IN MACACA-MULATTA
0734

WAGMAN, A. M.

ELECTROCONVULSIVE THERAPY AND EEG CORRELATES IN DEPRESSIVE DISORDERS
1870

WAGNER, B.

EFFECTS IN RODENTS OF A 1-MONTH EXPOSURE TO MAGNETIC FIELDS (200-1200 GAUSS)
1109

WAGNER, D. W.

OR RF: THE SECOND FACTOR
2924

WAGNER, J. E.

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER FETAL IRRADIATION OF MICE BY 2450-MHZ MICROWAVE ENERGY
1805

TERATOLOGY, SURVIVAL, AND REVERSAL LEARNING AFTER THE TIME OF DEATH AND TOTAL ABSORBED DOSE IN THE MICROWAVE ENERGY
2882

WAGNER, N. K.

RF SUSCEPTIBILITY OF MICROELECTRONIC COMPONENTS
1197

WAHLSTROM, L.

SOME PRELIMINARY INVESTIGATIONS ON THE THERAPEUTIC EFFECT OF PULSED SHORT WAVES IN INTERMITTENT CLAUDICATION
0490

WAIGHT, P. J.

RECOMMEND SAFETY PROCEDURES FOR THE INSTALLATION AND USE OF RADIOFREQUENCY AND MICROWAVE DEVICES IN THE FREQUENCY RANGE 10 MHZ - 300 GHZ
0284

WAKIM, K. G.

THE EFFECT OF MICROWAVE DIATHERMY ON THE PERIPHERAL CIRCULATION AND ON TISSUE TEMPERATURE IN MAN
0481

THE EFFECTS OF DIATHERMY ON THE FLOW OF BLOOD IN THE EXTREMITIES
0656+

CERTAIN EXPERIMENTAL OBSERVATIONS ON A PULSED DIATHERMY MACHINE
0661

THE HEATING EFFECTS OF MICROWAVES WITH AND WITHOUT ISCHEMIA
0666

THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE
3366

THE EFFECTS OF MICROWAVE DIATHERMY ON THE EYE OF THE RABBIT
3367

MICROKYMATOTHERAPY: PRELIMINARY REPORT OF EXPEIMENTAL STUDIES OF THE HEATING EFFECT OF MICROWAVES (RADAR) IN LIVING TISSUES
3369

PRELIMINARY STUDIES ON THE HEATING AND CIRCULATORY EFFECTS OF MICROWAVES 'RADAR'
3373

WALCOTT, C.

PIGEONS HAVE MAGNETS
0286+

ORIENTATION OF HOMING PIGEONS ALTERED BY A CHANGE IN THE DIRECTION OF AN APPLIED MAGNETIC FIELD
1021+

WALDO, G. V.

REPORT ON THE ANALYSIS OF MEASUREMENTS AND OBSERVATIONS, NEW YORK CITY UHF-TV PROJECT
3522+

DEVELOPMENT OF VHF AND UHF PROPAGATION CURVES FOR TV AND FM BROADCASTING
3523

WALINDER, J.

PROLACTIN RESPONSE TO ELECTROCONVULSIVE THERAPY
1879

WALKER, B. J.

INTERNAL CURRENT GAIN IN MICROWAVE-BIASED GALLIUM-DOPED SILICON 8-14 MM IR DETECTORS
3354+

WALKER, C. M.

USE OF A BACTERIOPHAGE SYSTEM FOR INVESTIGATING THE BIOLOGICAL EFFECTS OF LOW INTENSITY PULSED MICROWAVE RADIATION
0790+

WALLACE, J.

THE UTILIZATION OF MICROWAVE RADIATION IN DEVELOPMENTAL BIOLOGY RESEARCH
2877

WALLACE, J. D.

HAZARDS ASSOCIATED WITH THE OPERATION OF MICROWAVE OVENS
2040+

THE INTERRUPTION OF PREGNANCY USING MICROWAVE RADIATION
2876

WALLACE, J. E.

MICROWAVE THERAPY: STRAY RADIATION, SAFETY AND EFFECTIVENESS
0427

WALLEN, C. A.

MICROWAVE-INDUCED HYPERTHERMIA AS AN ADJUVANT TO CANCER THERAPY
1161+

WALLEN, V. R.

EFFECT OF EXPOSURE TO RADIOFREQUENCY ELECTRIC FIELDS ON SEED-BORNE MICROORGANISMS
1921

WALLIN, L.

PROLACTIN RESPONSE TO ELECTROCONVULSIVE THERAPY
1879

WALLIS, R.

PULSOTHERAPY: PRELIMINARY REPT. ON A NEW METHOD OF RELATIVELY COLD ELECTROTHERAPY
1821+

EVOLUTION OF CONCEPTS CONCERNING THE APPLICATION OF HIGH-FREQUENCY CURRENTS UPON LIVING ORGANISMS
1822+

WALSH, J. E.

CANCER THERAPY WITH LOCALIZED HYPERTHERMIA USING AN INVASIVE MICROWAVE SYSTEM
0226

AN INVASIVE MICROWAVE ANTENNA FOR LOCALLY-INDUCED HYPERTHERMIA FOR CANCER THERAPY
0438

WALSH, P.

VARIABLE FREQUENCY EXPOSURE SYSTEM FOR SMALL BIOLOGICAL SPECIMENS
1265

MICROWAVE EXPOSURE SYSTEM FOR BIOLOGICAL SPECIMENS
1495

WALTER, D. O.

EFFECT OF LOW-LEVEL, LOW-FREQUENCY ELECTRIC FIELDS ON EEG AND BEHAVIOR IN MACACA NEMESTRINA
0831

WALTER, W. H.

CARDIAC PULSE GENERATORS AND EM INTERFERENCE
2041+

WALTERS, W. H.

EMPIRICAL STUDIES OF CARDIAC PACEMAKER INTERFERENCE
1019

WANG, D. I.

EFFECT OF MICROWAVES ON ESCHERICHIA COLI AND BACILLUS SUBTILIS
0486

WANG, J. C.

POWER DENSITY IN NEAR FIELD OF SMALL LINEAR ANTENNAS
1642+

RF FIELD INTENSITY MEASUREMENTS IN SELECTED BROADCAST FACILITES
1643+

ANTENNA AND POWER STATISTICS: TELEVISION STATIONS IN THE U.S.
3152+

WANG, J. H.

SHORTWAVE AND MICROWAVE DIATHERMY FOR DEEP-TISSUE HEATING
0205

WANG, J. J.

BIOENGINEERING--EM HYPERTHERMIA
2584

WANG, S.
MICROWAVE EFFECTS ON GRANULOCYTE AND MACROPHAGE PRECURSOR CELLS OF MICE IN VITRO 0352

WANG, S. C.
ELECTRO-ACUPUNCTURE ANALGESIA IN MONKEYS: A BEHAVIORAL AND NEUROPHYSIOLOGICAL ASSESSMENT 2362

WANGEMANN, R. T.
THE IN VIVO EFFECTS OF 2.45 GHZ MICROWAVE RADIATION ON RABBIT SERUM COMPONENTS AND SLEEPING TIMES 0634+
EFFECT OF MICROWAVE RADIATION ON PENTOBARBITAL-INDUCED SLEEPING TIME 2171

WANNER, H. U.
POSSIBLE INFLUENCE OF ATMOSPHERIC ELECTRICITY ON WELL-BEING (IN GERMAN) 1627

WAPNICK, S.
TUMOR ERADICATION BY RADIOFREQUENCY THERAPY 0741

WARD, L. B.
DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER 2738
DRUG-INDUCED ECTOTHERMIA IN SMALL MAMMALS: THE QUEST FOR A BIOLOGICAL MICROWAVE DOSIMETER. 2897

WARD, T. R.
MEASURE OF ENZYMATIC ACTIVITY COINCIDENT WITH 2450 MHZ MICROWAVE EXPOSURE 1323+
THE EFFECT OF MICROWAVE RADIATION (2450 MHZ) ON THE MORPHOLOGY AND CHROMOSOMES OF LYMPHOCYTES 2751

WARE, B. J.
GASEOUS EFFLUENTS DUE TO EHV TRANSMISSION LINE CORONA 3013
THE APPLE GROVE 750 KV PROJECT STATISTICAL ANALYSIS OF AUDIBLE NOISE PERFORMANCE OF CONDUCTORS AT 775 KV 3115
EFFECT OF 765 KV TRANSMISSION LINES ON ANIMAL GRAZING HABITS 3614+

WARREN, C. G.
MICROWAVE THERAPY: STRAY RADIATION, SAFETY AND EFFECTIVENESS. 0427
TEMPERATURE DISTRIBUTION PRODUCED IN MODELS BY THREE MICROWAVE APPLICATORS AT 433.92 MHZ 0911
THE USE OF NON-IONIZING RADIATION FOR THERAPEUTIC HEATING 2221

WARREN, S. L.
MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS 0807
MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA 1963
MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS. 3262

WASHBON, W. E.
A FIELD SURVEY OF FARMER EXPERIENCE WITH 765 KV TRANSMISSION LINES 3613

WATKINS, A. L.
EFFECT OF DIATHERMY (SHORTWAVE AND MICROWAVE) ON BONE GROWTH IN THE ALBINO RAT. 3371

WATSON, J.
CLINICAL ASPECTS OF THE STIMULATION OF BONE HEALING USING ELECTRICAL PHENOMENA 0288+
THE ELECTRICAL STIMULATION OF BONE HEALING 0289+
EFFECT OF ELECTRIC FIELDS ON GROWTH RATE OF EMBRYONIC CHICK TIBIAE IN VITRO 0592+
INTERDISCIPLINARY APPROACHES IN ELECTRICALLY MEDIATED BONE GROWTH STUDIES 2240
EFFECTS OF ELECTRICAL STIMULATION ON BONE GROWTH IN VITRO AND ON FRACTURE HEALING 2330

WATTS, C.
PERIPHERAL NERVE INJURY FROM IMPLANTATION OF CHRONIC STIMULATING ELECTRODES FOR PAIN CONTROL 1878

WATTS, D. G.
MICROWAVE RADIOMETRY AND ITS POTENTIAL APPLICATIONS IN BIOLOGY AND MEDICINE: EXPERIMENTAL STUDIES 1614

WATTS, H. M.
FINAL TECHNICAL REPT. ON RESEARCH PROJECT O STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS, VOL. 1 1424
STUDIES OF BIOLOGICAL HAZARDS FROM HIGH-POWER HF BAND TRANSMITTERS 1527
FINAL TECHNICAL REPORT ON RESEARCH PROJECT TO STUDY RADIATION HAZARDS CAUSED BY HIGH POWER, HIGH FREQUENCY FIELDS 2979
RADIATION HAZARDS CAUSED BY HIGH-POWER, HIGH-FREQUENCY FIELDS 3509

WAXLER, M.
INTERACTION BETWEEN MICROWAVE AND NEUROACTIVE COMPOUNDS 2663

WAYLAND, J. R.
AN APPROACH TO BIOLOGICAL RESPONSE TO MICROWAVES: A PRELIMINARY THERMAL VERSUS NON-THERMAL EXPERIMENT 0694+
PHYTOTOXICITY OF A UHF EM FIELD 1975
ULTRAHIGH-FREQUENCY EM FIELDS FOR WEED CONTROL: PHYTOTOXICITY AND SELECTIVITY 2134
ON THE INTERDEPENDENCE OF THERMAL AND EM EFFECTS IN THE RESPONSE OF BACILLUS SUBTILIS SPORES TO MICROWAVE EXPOSURE 2407+
ON THE EFFECT OF FREQUENCY IN EM INTERACTIONS WITH BIOLOGICAL SYSTEMS 2543+
ULTRAHIGH FREQUENCY ELECTROMAGNETIC RADIATION UTILIZED FOR AQUATIC VEGETATION CONTROL 3119

WEALE, R. A.
RETINAL SENSITIVITY TO SHORT WAVELENGTH LIGHT 1248

WEBB, M. D.
ASSESSMENT OF THE EM FIELD COUPLING OF 915 MHZ OVEN LEAKAGE TO HUMAN SUBJECTS BY THERMOGRAPHIC STUDIES ON PHANTOM MODELS 1153+
A NEW TECHNIQUE FOR MEASURING POWER DEPOSITION PATTERNS IN PHANTOMS EXPOSED TO EM FIELDS OF ARBITRARY POLARIZATION-- EXAMPLE, THE MICROWAVE OVEN 1192
DETERMINATION OF POWER ABSORPTION IN MAN EXPOSED TO HIGH FREQUENCY EM FIELDS BY THERMOGRAPHIC MEASUREMENTS ON SCALE MODELS 1246
HIGH FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIALS 1293
CRITICAL COMPARISONS OF RF FIELD DELIVERY METHODS TO THERMAL RESPONSES OF MODELS AND EXPERIMENTAL ANIMALS 1687
THERMOGRAPHIC MEASUREMENT OF POWER ABSORPTION DENSITIES IN SPHEROIDAL TISSUE STRUCTURES AND PHANTOM MODELS OF MAN EXPOSED TO HIGH FREQUENCY EM FIELDS 1740
RF RADIATION ABSORPTION PATTERNS: HUMAN AND ANIMAL MODELING DATA 2792

WEBB, S. J.
INHIBITION OF BACTERIAL CELL GROWTH BY 136 GC MICROWAVES 0657+
ABSORPTION OF MICROWAVES BY MICROORGANISMS 0658+
GENETIC CONTINUITY AND METABOLIC REGULATION AS SEEN BY THE EFFECTS OF VARIOUS MICROWAVE AND BLACK LIGHT FREQUENCIES ON THESE PHENOMENA 1085+
EFFECTS OF MICROWAVES ON NORMAL AND TUMOUR CELLS AS SEEN BY LASER-RAMAN SPECTROSCOPY 1131+

MICROWAVE ABSORPTION BY NORMAL AND TUMOR CELLS 1971+

A NEW THEORY OF GENETIC CONTINUITY AND METABOLIC REGULATION BASED ON THE PRE-EXISTING ANATOMY OF CELLS AND MOLECULAR MOTIONS 2986+

INFRARED STUDIES OF ISOLATED NORMAL AND TUMOUR DNA. 3263+

EFFECTS OF MICROWAVES ON THE METABOLIC TIME CLOCKS OF NORMAL AND TUMOUR CELLS: A LASER-RAMAN STUDY. 3264+

NUTRITION AND IN VIVO ROTATIONAL MOTION: A MICROWAVE STUDY. 3265+

WEBSTER, F. H.

PROCEDURE FOR EVALUATING THE EFFECTS OF 2,450-MEGAHERTZ MICROWAVES UPON STREPTOCOCCUS FAECALIS AND SACCHAROMYCES CEREVISIAE 1920

WEEKS, W. L.

TEMPERATURE DISTRIBUTIONS INDUCED BY 2450 MHZ MICROWAVE RADIATION IN A TRILAYERED SPHERICAL PHANTOM 1816

WEI, L. Y.

ROLE OF SURFACE DIPOLES ON AXON MEMBRANE 0659+

WEIGERT, M.

THE INFLUENCE OF ELECTRIC POTENTIALS ON PLATED BONES 2772+

WEIL, C. M.

CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES 0871

EFFECTS OF NONIONIZING EMR ON SINGLE-CELL BIOLOGIC SYSTEMS 1086

ABSORPTION CHARACTERISTICS OF MULTI-LAYERED SPHERE MODELS EXPOSED TO UHF/MICROWAVE RADIATION 1715+

EXPOSURE OF RATS TO 425 MHZ (CW) MICROWAVE RADIATION: EFFECTS ON LYMPHOCYTES. 2903

CROSSED-BEAM APPARATUS FOR SIMULTANEOUS SPECTROPHOTOMETRIC OBSERVATION AND MICROWAVE EXPOSURE OF BIOCHEMICAL SAMPLES 3383

PROPAGATION OF PLANE WAVES THROUGH TWO PARALLEL DIELECTRIC SHEETS 3550+

USE OF MATHEMATICAL MODELS IN NONIONIZING RADIATION RESEARCH 3598+

WEIMAR, V.

CORNEAL RADIOFREQUENCY BURNS: EFFECTS OF PROSTAGLANDINS AND 48/80 2223

WEINBERG, I.

TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION 2340

STUDIES CONCERNING THE POSTNATAL EFFECTS OF PROTRACTED LOW DOSE PRENATAL 915 MHZ MICROWAVE RADIATION 2864

STUDIES CONCERNING THE EFFECTS OF PROTRACTED PRENATAL EXPOSURE TO A NON-THERMAL LEVEL OF 2450 MHZ MICROWAVE RADIATION IN THE PREGNANT RAT 2865

TERATOGENIC EFFECTS ON RAT OFFSPRING OF NON-THERMAL CHRONIC PRENATAL MICROWAVE IRRADIATION. 2881

WEINER, J.

MAGNETISM: ITS EFFECT ON LIVING MATTER--A BIBLIOGRAPHY 2113

WEINER, S. B.

MATERIALS FOR SELECTIVE TISSUE HEATING IN A RADIOFREQUENCY EM FIELD FOR THE COMBINED CHEMOTHERMAL TREATMENT OF BRAIN TUMORS 1240

WEINSTEIN, L. SURVIVAL. 0201+

WEINSTEIN, R. D.

RADIOLOGICAL HEALTH ATTITUDES OF COLLEGE STUDENTS 3434+

WEINSTOCK, L.

DEVELOPMENT OF A RADAR RADIATION PROTECTIVE SUIT FOR NAVAL PERSONNEL 2604+

WEINSTOCK, R. E.

CLINICAL EVALUATION OF DIAPULSE AS ADJUNCTIVE THERAPY FOLLOWING FOOT SURGERY 1812

WEINTRAUB, S. T.

USE OF 300-MSEC MICROWAVE IRRADIATION FOR ENZYME INACTIVATION: A STUDY OF EFFECTS OF SODIUM PENTOBARBITAL ON ACETYLCHOLINE CONCENTRATION IN MOUSE BRAIN REGIONS 1202

THE EFFECTS OF 19 MEGACYCLE IRRADIATION ON MICE AND RATS 2181

THE USE OF MICROWAVE HEATING TO INACTIVATE CHOLINESTERASE IN THE RAT BRAIN PRIOR TO ANALYSIS FOR ACETYLCHOLINE 2518

WEISS, B.

MICROWAVES: EFFECT ON THERMOREGULATORY BEHAVIOR IN RATS 0358

WEISS, M. E.

THE EFFECTS OF ELECTROSLEEP ON INSOMNIA REVISITED 1307

WEISS, M. M.

EMR EMITTED FROM VIDEO COMPUTER TERMINALS. 0200+

WEISSBLUTH, M.

ENZYME-SUBSTRATE REACTIONS IN VERY HIGH MAGNETIC FIELDS. I 2118

WEISSGLAS, P.

BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS 2542

WEITER, J. J.

ASCORBIC ACID CHANGES IN CULTURED RABBIT LENSES AFTER MICROWAVE IRRADIATION 1070+

WELLSAND, J. A.

PROPOSED REVISIONS TO ANSI STANDARD C95.1 FOR EXPOSURE TO RADIO FREQUENCY AND MICROWAVE RADIATIONS 1789+

WELSCH, F.

THE USE OF MICROWAVE RADIATION IN THE DETERMINATION OF ACETYLCHOLINE IN THE RAT BRAIN 2516

WERHAHN, C.

THE INFLUENCE OF ELECTRIC POTENTIALS ON PLATED BONES 2772

WERTHEIMER, N.

ELECTRICAL WIRING CONFIGURATIONS AND CHILDHOOD CANCER 0105+

WEST, B. L.

PULSED RADIOWAVE (27.12 MHZ) EFFECTS ON IN VIVO AND IN VITRO TUMOR GROWTH 1162+

BIOLOGICAL ACTIVITY ASSOCIATED WITH PULSED HIGH FREQUENCY RADIATION (27.12MHZ) 2203+

WESTENSKOW, D. R.

PHYSIOLOGIC EFFECTS OF DEEP HYPERTHERMIA AND MICRO- WAVE REWARMING: POSSIBLE APPLICATION FOR NEONATAL CARDIAC SURGERY. 0203+

WESTIN, J. B.

MICROWAVE RADIATION AND HUMAN TOLERANCE: A REVIEW 0598+

WESTLAKE, J. E.

RADIATION EXPOSURE IN PARENTS OF CHILDREN WITH MONGOLISM (DOWN'S SYNDROME) 2035

WESTPHAL, W. B.

DIELECTRIC STUDIES ON BIOPOLYMERS AND LIQUID STRUCTURE (I) 1904

CONTRIBUTIONS TO THE MOLECULAR DIELECTRIC ANALYSIS OF POLAR LIQUIDS (I) 2282

WETHERINGTON, R. D.

ELECTROMAGNETIC FIELD PROBES 3531

ELECTROMAGNETIC FIELD PROBES 3532+

WEVER, R.

HUMAN CIRCADIAN RHYTHMS UNDER THE INFLUENCE OF WEAK ELECTRIC FIELDS AND THE DIFFERENT ASPECTS OF THESE STUDIES 2123+

EFFECTS OF LOW-LEVEL, LOW-FREQUENCY FIELDS ON HUMAN CIRCADIAN RHYTHMS 2420+

ELF-EFFECTS ON HUMAN CIRCADIAN RHYTHMS
2651+

WHALLEY, W. B.

RADIO FREQUENCY ERADICATION OF TUMOURS
2230+

TUMOR ERADICATION IN THE RABBIT BY RADIOFREQUENCY HEATING
2585

WHEATER, R. H.

EYE DAMAGE FROM REPEATED EXPOSURE TO WELDING ARCS
0705+

PROTECTION AGAINST MICROWAVE OVEN RADIATION LEAKAGE
0830+

MICROWAVE RADIATION NOT KNOWN TO BE TERATOGENIC
2592

MICROWAVE RADIATION NOT KNOWN TO BE TERATOGENIC.
2926+

WHETTON, C. P.

INDUSTRIAL AND SCIENTIFIC APPLICATIONS OF DOPPLER RADAR
1312+

WHITE, C. E.

A PROBLEM THAT WON'T GO AWAY
3082+

MICROWAVE MARKET FORCAST FOR 1978
3196+

WHITE, J. R.

MEASURING THE STRENGTH OF THE MICROWAVE FIELD IN A CAVITY
3499+

WHITEHEAD, C. T.

STATEMENT BY C. T. WHITEHEAD, DIRECTOR, OFFICE OF TELECOMMUNICATIONS POLICY
3000+

WHITMIRE, D. P.

MAGNETIC ENHANCEMENT OF ELECTRON DOSE DISTRIBUTION IN A PHANTOM
2537+

WHITNEY, W. K.

RADIO-FREQUENCY ELECTRIC FIELDS FOR STORED GRAIN, INSECT CONTROL
0978

WHITTINGTON, R.

EFFECT OF DMSO ON THE DIELECTRIC PROPERTIES OF CANINE KIDNEY TISSUE
2847

WIDMAN, J. C.

ENERGY ABSORPTION IN CYLINDERS CONTAINING A UNIFORMLY DISTRIBUTED SOURCE.
3287+

WIESINGER, J.

BIOLOGICAL EFFECTS OF TECHNICAL ELECTRIC AND EM VLF FIELDS
2124

WIKTOR-JEDRZEJCZAK, W.

MICROWAVES INDUCE AN INCREASE IN THE FREQUENCY OF COMPLEMENT RECEPTOR-BEARING LYMPHOID SPLEEN CELLS IN MICE
2066+

THE EFFECT OF MICROWAVES (2450 MHZ) ON THE IMMUNE SYSTEM IN MICE. II. FUNCTIONAL STUDIES
2350+

IMMUNE RESPONSE OF MICE TO 2450-MHZ MICROWAVE RADIATION: OVERVIEW OF IMMUNOLOGY AND EMPIRICAL STUDIES OF LYMPHOID SPLENIC CELLS
2756+

WILDE, C. S.

PHYSIOLOGIC EFFECTS OF DEEP HYPERTHERMIA AND MICRO- WAVE REWARMING: POSSIBLE APPLICATION FOR NEONATAL CARDIAC SURGERY.
0203

WILDERVANCK, A.

CERTAIN EXPERIMENTAL OBSERVATIONS ON A PULSED DIATHERMY MACHINE
0661+

WILKE, V. E.

EINWIRKUNG ELEKTRISCHER WELLEN AUF KOLLOIDE
3487+

WILKENING, G. M.

OVERVIEWS ON NONIONIZING RADIATION
2021

WILKINS, D. J.

EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COLLOIDS
0662+

EFFECT OF RADIO-FREQUENCY FIELDS ON THE ELECTROPHORETIC MOBILITY OF SOME COLLOIDS.
3221+

EFFECT OF RADIO-FREQUENCY FIELDS ON THE ZETA-POTENTIAL OF A COLLOIDAL SUSPENSION.
3222

WILLARD, R. H.

HIGH FREQUENCY EM FIELDS ON PHANTOM MODELS OF MAN AND MEASURED ELECTRICAL PROPERTIES OF TISSUE MATERIALS
1293

WILLIAMS, D. B.

TIME AND POWER THRESHOLDS FOR THE PRODUCTION OF LENS OPACITIES BY 12.3 CM. MICROWAVES
0664+

WILLIAMS, F. J.

ELF FIELD STRENGTH MEASUREMENTS MADE IN CONNECTICUT DURING 1974
3138

WILLIAMS, J. M.

LIMITING CONDITIONS FOR EFFECTS OF ELF ON FREE FLYING MIGRANT BIRDS.
0202

A RADAR INVESTIGATION OF THE EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON FREE FLYING MIGRANT BIRDS
1756

WILLIAMS, N.

TEMPERATURE CONTROLLED CAVITY APPLICATOR FOR RADIOFREQUENCY WAVE IRRADIATION OF MAMMALIAN CELLS IN VITRO
0256

WILLIAMS, R. A.

BIOLOGICAL EFFECTS OF EMR (RADIOWAVES AND MICROWAVES)-- EURASIAN COMMUNIST COUNTRIES
2579

WILLIAMS, R. B.

EARLY LESIONS IN DOG TESTES DUE TO MICROWAVES
2848+

WILLIAMS, R. J.

EXAMINATION OF THE CORNEA FOLLOWING EXPOSURE TO MICROWAVE RADIATION
0663+

ULTRASTRUCTURAL CHANGES IN THE RABBIT LENS INDUCED BY MICROWAVE RADIATION
1069+

WILLIAMS, T.

FILTERED VERSUS UNFILTERED RF ENERGY FOR NERVE STIMULATION
1678

WILLIAMS, T. C.

LIMITING CONDITIONS FOR EFFECTS OF ELF ON FREE FLYING MIGRANT BIRDS.
0202+

A RADAR INVESTIGATION OF THE EFFECTS OF EXTREMELY LOW FREQUENCY EM FIELDS ON FREE FLYING MIGRANT BIRDS
1756+

WILLIAMS, W. S.

P-N JUNCTIONS AND THE PIEZOELECTRIC RESPONSE OF BONE
2092+

WILLIAMSON, S. J.

VISUALLY EVOKED MAGNETIC FIELDS OF THE HUMAN BRAIN
2099

WILSON, A. S.

PSYCHOLOGICAL EFFECTS OF MAGNETIC AND ELECTRIC FIELDS
1666+

WILSON, D. H.

EXPERIMENTAL REGENERATION IN PERIPHERAL NERVES AND THE SPINAL CORD IN LAB. ANIMALS EXPOSED TO A PULSED EM FIELD
0855+

THE EFFECTS OF PULSED EM ENERGY ON PERIPHERAL NERVE REGENERATION
1054+

TREATMENT OF SOFT-TISSUE INJURIES BY PULSED ELECTRICAL ENERGY
1829+

WILSON, E. F.

MICROWAVE OVEN SURVEY RESULTS IN ARKANSAS DURING 1970
0710

WILSON, M.

EFFECTS OF MICROWAVE EXPOSURES ON THE CENTRAL NERVOUS SYSTEM OF BEAGLES
2510

WILTSCHKO, R.

MAGNETIC DIRECTION FINDING: EVIDENCE FOR ITS USE IN MIGRATORY INDIGO BUNTINGS
2106

WILTSCHKO, W.

MAGNETIC DIRECTION FINDING: EVIDENCE FOR ITS USE IN MIGRATORY INDIGO BUNTINGS 2106

WINTERS, W. D.

MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS 0807

MICROWAVE CHARACTERISTICS OF HUMAN TUMOR CELLS. 3262

WIRANOWSKA, M.

EFFECT OF MICROWAVES ON CELL FUNCTION AND VIRUS REPLICATION IN CELL CULTURES IRRADIATED IN VITRO 1077

ACUTE STAPHYLOCOCCAL INFECTIONS IN RABBITS IRRADIATED WITH 3-GHZ MICROWAVES 1082

KARYOMETRIC OBSERVATIONS OF WISH CELL CULTURES IRRADIATED WITH 3 GHZ MICROWAVES 2052

WIRSKI, J.

CHANGES IN MUSCULAR FORCE IN ELDERLY SUBJECTS CAUSED BY ELECTRICAL STIMULATION 3402

WISE, C. S.

EFFECT OF DIATHERMY (SHORTWAVE AND MICROWAVE) ON BONE GROWTH IN THE ALBINO RAT. 3371+

WISE, K. D.

AN IC PIEZORESISTIVE PRESSURE SENSOR FOR BIOMEDICAL INSTRUMENTATION 0751

WITNAUER, L. P.

THE EFFECTS OF AN ELECTRIC FIELD ON SOLUBLE COLLAGEN 0915

WITT, H. T.

MEMBRANE-BOUND ATP SYNTHESIS GENERATED BY AN EXTERNAL ELECTRIC FIELD 0671+

WITTERS, D.

THE PERFORMANCE OF A NEW DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY 0047

EXPERIMENTAL CALIBRATION OF A MINIATURE, ELECTRIC FIELD PROBE WITHIN SIMULATED MUSCULAR TISSUES 2207

WITTERS, D. M.

FREE-SPACE ELECTRIC FIELD MAPPING OF MICROWAVE DIATHERMY APPLICATORS 0033+

A COMPARATIVE PERFORMANCE STUDY OF SPACED APPLICATORS IN MICROWAVE DIATHERMY 1154

THE DESIGN AND PERFORMANCE OF A CIRCULARLY POLARIZED DIRECT CONTACT APPLICATOR FOR MICROWAVE DIATHERMY 2456

WITTKE, G.

INFLUENCE OF ALTERNATING ELECTRIC FIELDS OF TECHNICAL FREQUENCY ON CHICKEN EMBRYOS 2351+

WOCHNA, Z.

STUDIES ON THE EFFECT OF MICROWAVES EMITTED BY RADAR DEVICES ON THE TESTICLES AND EPIDIDYMIDES OF RABBIT, COMMUNICATION I 2502

WOLF, D.

GALVANOTROPIC ORIENTATION OF GOLDFISH (CARASSIUS AURATUS) 0516+

WOLFLE, T. L.

PRIMATE PERFORMANCE ASSESSMENT FOLLOWING 3.2-GHZ EXPOSURES 0740

WOLFSON, S. K.

TUMOR ERADICATION BY RADIOFREQUENCY THERAPY 0836

MATERIALS FOR SELECTIVE TISSUE HEATING IN A RADIOFREQUENCY EM FIELD FOR THE COMBINED CHEMOTHERMAL TREATMENT OF BRAIN TUMORS 1240

WOLFSON, W. L.

MICROWAVE THERAPY EXPERIMENTS WITH B-16 MURINE MELANOMA 1963

WOLLINS, B.

CANCER THERAPY, DETECTION AIDED BY MICROWAVE TECHNOLOGY 1172+

WOLTHUIS, O. L.

PRELIMINARY INVESTIGATIONS OF THE EFFECTS OF LOW-LEVEL MICROWAVE RADIATION ON SPONTANEOUS MOTOR ACTIVITY IN RATS 1093

WONG, J. Y.

MICROWAVE LEAKAGE INDICATION 1148

WONG, K. C.

PHYSIOLOGIC EFFECTS OF DEEP HYPERTHERMIA AND MICRO- WAVE REWARMING: POSSIBLE APPLICATION FOR NEONATAL CARDIAC SURGERY. 0203

WORDEN, R. E.

THE HEATING EFFECTS OF MICROWAVES WITH AND WITHOUT ISCHEMIA 0666+

WORKMAN, J. L.

CALIBRATION PRINCIPLES AND PROCEDURES FOR FIELD STRENGTH METERS (30 HZ TO 1 GHZ) 3494

WORKS, C. N.

MICROWAVE DIELECTRIC MEASUREMENTS 3462

WORLD HEALTH ORG.

HEALTH HAZARDS FROM EXPOSURE TO MICROWAVES. 3253+

WRICKE, H.

MICROWAVES IN RADIOTHERAPY OF TUMORS--ALTERNATIVE TO HEAVY PARTICLES? 0906

WRIEDT-LUBBE, I.

EXPERIMENTAL STUDIES ON THE USE OF MICROWAVE FOR THE LOCALIZED HEAT TREATMENT OF THE PROSTRATE. 0268

WRIGHT, B. D.

ELECTROMAGNETIC SPECTRUM CONGESTION INVESTIGATION 2965

WRIGHT, J. F.

A REVIEW OF RADIUM TOXICITY STUDIES 3112

WROBLEWSKI, T. E.

DUODENAL ULCER IN PERSONS OCCUPATIONALLY EXPOSED TO MICROWAVE RADIATION 1854+

WROMBLE, R. F.

PROCEEDINGS OF A MEETING TO DISCUSS TECHNICAL CONSIDERATIONS IN THE MEASUREMENT AND EVALUATION OF RADIATION EMISSIONS FROM MICROWAVE OVENS 3053+

WU, C.

SCATTERING OF MICROWAVES BY DIELECTRIC MATERIALS USED IN LAB. ANIMAL RESTRAINERS 1242

PERTURBATION EFFECT OF ANIMAL RESTRAINING MATERIALS ON MICROWAVE EXPOSURE 1610

TRANSMISSION OF EM PULSE INTO THE HEAD 1719

WU, J. F.

MECHANISM OF LETHAL ACTION OF 2450-MHZ RADIATION ON MICROORGANISMS. 0196

EFFECT OF 2450 MHZ MICROWAVE RADIATION ON SOME SOIL MICROORGANISMS IN SITU 1918

EFFECT OF 2,450 MHZ MICROWAVE RADIATION ON MICROORGANISMS 2815+

WU, T. K.

ELECTROMAGNETIC FIELDS AND POWER DEPOSITION IN BODY- OF-REVOLUTION MODELS OF MAN 0097+

NUMERICAL ANALYSIS OF EM FIELDS IN BIOLOGICAL TISSUES 0781+

EM FIELDS INDUCED INSIDE ARBITRARY CYLINDERS OF BIOLOGICAL TISSUE 1613+

WUKASCH, M. C.

CURRENT RADIO-FREQUENCY EMR SAFETY STANDARDS AS APPLIED TO MOBILE AND PORTABLE TELECOMMUNICATIONS TRANSMITTERS 2474

WYANT, D. E.

BIOLOGICAL MEASUREMENTS IN RODENTS EXPOSED CONTINUOUSLY

THROUGHOUT THEIR ADULT LIFE TO PULSED EMR 1167

WYATT, J. R.
POWER VARIATIONS IN MICROWAVE EXPOSURE RESULTING FROM DIFFERENT SOURCE GASES 1221

WYATT, R. H.
THE TRANSMISSION OF REFLEXES IN THE SPINAL CORD OF CATS DURING DIRECT IRRADIATION WITH MICROWAVES 1639

WYCKOFF, J. M.
MEASUREMENTS FOR RADIATION SAFETY 1659+

WYPER, D. J.
MICROWAVE THERAPY AND MUSCLE BLOOD FLOW IN MAN 1156

WYSS, O. A.
CLARIFICATION OF THE EXCITATORY ACTION OF MIDDLE FREQUENCY ALTERNATING CURRENT 2320+

Y

YACKEY, H. P.
AN APPLICATION OF INFORMATION THEORY TO THE PHYSICS OF TISSUE DAMAGE 3448+

YADRINTSEV, V. A.
CEREBRAL AND PERIPHERAL CIRCULATION IN PERSONS HANDLING SOURCES OF ULTRAHIGH RADIO FREQUENCIES BASED ON THE RESULTS OF RHEOGRAPHIC EXAMINATIONS 1499+

YAGI, K.
HARMFUL EFFECTS OF MICROWAVE RADIATION ON THE BONE MARROW 1279+

YAKAITIS, R. W.
DEFIBRILLATION 1880+

YAKOVLEVA, M. I.
CONDITIONED CONTROL OF CARDIAC ACTIVITY AND RESPIRATION, AND MORPHOLOGICAL CHANGES IN THE BRAIN OF PIGEONS UNDER THE ACTION OF A CONSTANT MAGNETIC FIELD 1308+

YAKUB, Y. A.
INFLUENCE OF THE ELECTRIC FIELD IN 500 AND 750 KV SWITCHYARDS ON MAINTENANCE STAFF AND MEANS FOR ITS PROTECTION 3076

YAMAURA, I.
MAPPING OF MICROWAVE POWER TRANSMITTED THROUGH THE HUMAN THORAX 0290+

SUPER-HIGH FREQUENCY ELECTRIC FIELD AND CRUSTACEAN GANGLIONIC DISCHARGES 1942+

DYNAMIC CHARACTERISTICS OF CRAYFISH STRETCH RECEPTOR FOR MICROWAVE RADIATION (IN JAPANESE) 1948+

EM FIELDS AND BIOLOGICAL SYSTEMS (IN JAPANESE) 2141

MEASUREMENTS OF 1.8–2.7-GHZ MICROWAVE ATTENUATION IN THE HUMAN TORSO 2538+

YANAI, P.
PHENOMENON OF MIGRATION AND SEDIMENTATION OF ERYTHROCYTES INDUCED BY MAGNETIC FIELDS 0089

YANG, R. C.
ELECTRO-ACUPUNCTURE ANALGESIA IN MONKEYS: A BEHAVIORAL AND NEUROPHYSIOLOGICAL ASSESSMENT 2362

YANG, W.
SHORTWAVE AND MICROWAVE DIATHERMY FOR DEEP-TISSUE HEATING. 0205+

YAO, K. T.
MICROWAVE RADIATION-INDUCED CHROMOSOMAL ABERRATIONS IN CORNEAL EPITHELIUM OF CHINESE HAMSTERS 0098+

EFFECTS OF 2450 MHZ MICROWAVE RADIATION ON CULTIVATED RAT KANGAROO CELLS 1537+

YARES'KO, I. F.
INFLUENCE OF LOW-INTENSITY MICROWAVES ON THE ACID-BASE BALANCE IN EXPERIMENTAL ANIMALS (IN RUSSIAN) 1315

HEALING OF PURULENT WOUNDS IN ANIMALS SUBJECTED TO THE CHRONIC EFFECT OF SUPERHIGH FREQUENCY IRRADIATION OF LOW INTENSITY 1481

HISTOMORPHOLOGICAL INVESTIGATION OF REGENERATION OF WOUNDS IN ANIMALS EXPOSED TO THE LONG-TERM ACTION OF LOW-INTENSITY MICROWAVES 1519

YARROW, S.
A MICROWAVE DOSIMETRY SYSTEM FOR MEASURED SAMPLED INTEGRAL-DOSE RATE 0805

YASHINA, L. N.
CHANGES IN THE TESTES DUE TO THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD ON THE ANIMAL ORGANISM 1508

EFFECTS OF PULSED LOW-FREQUENCY MAGNETIC FIELD ON ACTIVITY OF REDOX ENZYMES IN THE ALBINO RAT LIVER (HISTOCHEMICAL INVESTIGATION) 2054+

YASKIN, L. A.
A MICRORADIOMETER FOR STUDYING HIGH-INTENSITY RADIATION FIELD STRUCTURES 1708

YASUDA, I.
ELECTRICAL CALLUS AND CALLUS FORMATION BY ELECTRET 2775+

ELECTRET INDUCED CALLUS FORMATION IN THE RAT 2776

YATTEAU, R. F.
RADAR-INDUCED FAILURE OF A DEMAND PACEMAKER 3583+

YEANDLE, S. S.
MICROWAVE RADIATION AND CHLORDIAZEPOXIDE: SYNERGISTIC EFFECTS ON FIXED INTERVAL BEHAVIOR 0103

MODIFICATION OF INTERNAL DISCRIMINATIVE STIMULUS CONTROL OF BEHAVIOR BY LOW LEVELS OF PULSED MICROWAVE RADIATION 2161

YEARGERS, E. K.
EFFECTS OF MICROWAVE RADIATION ON ENZYMES 1081+

EFFECTS OF MICROWAVE RADIATION ON ENZYMES 2390

YEFIMENKO, G. D.
THE BIOLOGICAL INFLUENCE OF HYPOGEOMAGNETIC ENVIRONMENTS 0248

YEGOROV, N. S.
EFFECTS OF EM WAVES ON PRODUCTION OF PROTEASES WITH FIBRINOLYTIC ACTIVITY IN ASPERGILLUS ORYZAE (AHLB.) COHN (STRAIN OF MOSCOW STATE UNIVERSITY) 2828+

YEMEL'YANOV, N. P.
SELECTION OF CONDUCTORS AND THEIR CONFIGURATION FOR OVERHEAD LINES WITH ALLOWANCES FOR CORONA LOSSES AND INTERFERENCES: METHOD OF THEIR MEASUREMENT 3593+

YERMOLAYEV, Y. A.
PROBLEMS OF PROPHYLAXIS AND PROTECTION FROM THE HARMFUL EFFECTS OF MICROWAVES 2268+

YERUSHALMI, A.
CURE OF A SOLID TUMOR BY SIMULTANEOUS ADMINISTRATION OF MICROWAVES AND X-RAY IRRADIATION 1958+

YES'KOV, Y. K.
THE RESPONSE OF BEES TO ELECTRIC FIELDS 0291+

YETTEWICH, G. R.
LACK OF EFFECT OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON ROOTS OF VICIA FABA 1171

YEVTUSHENKO, G. I.
POSSIBLE MECHANISMS BEHIND THE BIOEFFECTS OF LOW FRE- QUENCY ELECTROMAGNETIC FIELDS. 0441+

BIOCHEMICAL ASPECTS OF THE BIOLOGICAL EFFECT OF A LOW-FREQUENCY PULSED EM FIELD 0443

MORPHOFUNCTIONAL STATUS OF THE HYPOPHYSEOGONADAL SYSTEM DURING EXPOSURE OF THE ORGA-

NISM TO EM FIELDS WITH DIFFERENT CHARACTERISTICS (IN RUSSIAN)
1401+

CHANGES IN THE TESTES DUE TO THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD ON THE ANIMAL ORGANISM
1508

METABOLIC DISORDERS AND THE LIVER FUNCTION UNDER THE EFFECT OF A LOW-FREQUENCY PULSED EM FIELD
1514

SIGNIFICANCE OF SOME BIOCHEMICAL BLOOD INDICES IN EARLY DETECTION OF LESIONS DUE TO PULSED LOW-FREQUENCY EM FIELDS
2047

BIOCHEMICAL ASPECTS OF THE BIOLOGICAL EFFECT OF A LOW- FREQUENCY PULSED ELECTROMAGNETIC FIELD
3245

YEVTUSHENKO, H. I.

THE EFFECTS OF LOW FREQUENCY EM FIELD PULSES ON SKELETAL MUSCLE METABOLISM IN THE RAT
2048

YOCHMOWITZ, M. G.

PRIMATE PERFORMANCE ASSESSMENT FOLLOWING 3.2-GHZ EXPOSURES
0740

YOKOO, K.

A MINIATURE PORTABLE MICROWAVE POWER MONITOR
1146

YONEYAMA, T.

ELECTROMAGNETIC POWER ABSORPTION IN CYLINDRICAL TISSUE MODELS EXCITED BY A LOOP ANTENNA
0204+

YOO, J. H.

HUMAN SKIN BURNS INDUCED BY DEFIBRILLATOR DEFAULT CURRENT
1873

YOSHIOKA, K.

ELECTRIC FIELD-INDUCED CONFORMATIONAL CHANGE OF POLY(L-LYSINE) STUDIED BY TRANSIENT ELECTRIC BIREFRINGENCE
0859

YOUMANS, H. D.

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--I: DOSIMETRIC QUANTITIES FOR RF AND MICROWAVE EM FIELDS
1026+

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION--III: DOSE RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF EM PLANE WAVE
1028

DEVELOPMENT OF DOSIMETRY FOR RF AND MICROWAVE RADIATION - III: DOSE RATE DISTRIBUTION IN TISSUE SPHERES DUE TO MEASURED SPECTRA OF ELECTROMAGNETIC PLANE WAVE
3601

YOUNG, H. P.

POLLUTION BY ELECTRICAL TRANSMISSION--THE ENVIRONMENTAL IMPACT OF HIGH VOLTAGE LINES
0668

YOUNG, L. B.

POLLUTION BY ELECTRICAL TRANSMISSION--THE ENVIRONMENTAL IMPACT OF HIGH VOLTAGE LINES
0668+

POWER OVER PEOPLE
3122+

POWER LINE POLLUTION - A HOT ISSUE
3564+

YOUNG, W.

EFFECT OF ZERO MAGNETIC FIELDS ON THE MEMBRANE BOUND ENZYME ACTIVITY
2620+

YOUSSEF, A. A.

BIOLOGICAL THERMAL EFFECT OF MICROWAVE RADIATION ON HUMAN EYES
2151

YU, J. S.

A RESONANCE METHOD FOR MEASUREMENT OF LARGE DIELECTRIC CONSTANT WITH SMALL LOSS
3288+

YUCHENKOVA, T. V.

ELECTROMAGNETIC RADIATION SAFETY
2246

YUR'YEV, V. V.

DISTRIBUTION OF ULTRASHORT WAVE FIELDS IN THE VICINITIES OF URBAN TELEVISION CENTERS
1440

YURA, H. T.

INDUCED FIELDS AND HEATING WITHIN A CRANIAL STRUCTURE IRRADIATED BY AN EM PLANE WAVE
0717

Z

ZACHARISEN, D. H.

INTERFERENCE AND COMPATIBILITY MONITORING AND MEASUREMENTS FOR UHF SATELLITE EARTH TERMINALS
3510+

ZACIU, C.

CURRENT PROBLEMS OF THE BIOLOGICAL EFFECT OF MICROWAVES (IN RUMANIAN)
2721

METHODS OF DOSIMETRY AND MEASURING IN MICROWAVE FIELDS (IN RUMANIAN)
2722

ZADOROZHNAYA, T. D.

EFFECT OF CONSTANT MAGNETIC FIELD ON THE COURSE OF PREGNANCY AND PROGENY DEVELOPMENT IN ALBINO RATS
1430

EFFECT OF CONSTANT AND VARIABLE MAGNETIC FIELDS ON SOME INDICES OF PHYSIOLOGICAL FUNCTIONS AND METABOLIC PROCESSES IN WHITE RATS
2493

ZAFAR, M. S.

HIGH-FREQUENCY DIELECTRIC PROCESSES IN LIQUIDS
3250

ZAFFANELLA, L. E.

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART I: HAZARDS AND EFFECTS
3009

ELECTROSTATIC EFFECTS OF OVERHEAD TRANSMISSION LINES: PART II--METHODS OF CALCULATION
3010

PROGRESS REPORT OF EPRI PROJECT UHV
3124

ZAGIER, R. L.

THE APPLE GROVE 750 KV PROJECT STATISTICAL ANALYSIS OF AUDIBLE NOISE PERFORMANCE OF CONDUCTORS AT 775 KV
3115

ZAGORUL'KO, T. M.

CHANGES IN ELECTRIC ACTIVITY OF DIENCEPHALIC AREA AND CORTEX OF RABBIT'S CEREBRAL HEMISPHERES UNDER THE EFFECT OF BITEMPORAL DIATHERMY
1996

ZAINO, A. S.

EFFECTS OF PROLONGED HIGH TEMPERATURE ON TESTICULAR DEVELOPMENT AND FERTILITY IN THE MALE RAT
2890

ZAKHAROV, S. I.

EFFECTS OF ELECTRICAL STIMULATION OF VAGAL NUCLEI IN ANESTHETIZED AND UNANESTHETIZED CATS
3405

ZAKHAROVA, L. N.

COMPARATIVE ASSESSMENT OF THE EFFICACY OF SEDUXEN AND CYCLODOL, AND THEIR COMBINATION WITH THE ELECTROPULSE ACTION FOR INCREASING THE RESISTANCE TO EXPERIMENTALLY
0101

ZALYUBOVSKAIA, N. P.

USE OF SUPER-HIGH FREQUENCY TO HEAT UP DEEP-FROZEN ERYTHROCYTES (IN RUSSIAN)
2723+

ZALYUBOVSKAYA, N. P.

BIOLOGICAL OXIDATION IN CELLS UNDER THE INFLUENCE OF RADIOWAVES IN THE MILLIMETER RANGE
0060+

ACTION OF EM FIELDS OF SUPERHIGH FREQUENCIES ON ERYTHROCYTES PRESERVED AT LOW TEMPERATURE
1504+

REACTIONS OF LIVING ORGANISMS TO EXPOSURE TO MILLIMETER-BAND EM WAVES
2305+

EFFECTS OF MILLIMETER-BAND EM WAVES IN THE CELL AND CERTAIN STRUCTURAL ELEMENTS OF THE CELL
2306

EFFECTS OF EM WAVES OF THE MILLIMETRIC RANGE ON THE ENERGY METABOLISM OF LIVER MITOCHONDRIA
2811+

REACTIONS OF LIVING ORGANISMS TO EXPOSURE TO MILLIMETER- BAND ELECTROMAGNETIC WAVES
3272+

ZALYWBOVSKAYA, N. P.
EFFECTS OF MILLIMETER RADIO WAVES ON THE NEURO-HUMORAL SYSTEM IN RATS 0292+

ZANER, K. S.
A REPLY TO THE CONCEPT OF CANCER TREATMENT BY NMR 0852

ZANKER, K. S.
INFLUENCE OF MICROWAVE IRRADIATION ON CULTURED GLIOMA CELLS I. AN ENZYMATIC AND SCANNING ELECTRON MICROSCOPY STUDY 0293+

ZAREMBA, S. I.
USE OF DIADYNAMIC CURRENTS IN THE TREATMENT OF INJURIES OF JOINTS (IN RUSSIAN) 2069+

ZARET, M. M.
AIR SAFETY: ROLE OF FAMILY PHYSICIAN 0346+
EFFECT OF MICROWAVES ON THE EYE 0449
AN OPERATIONAL SAFETY PROGRAM FOR OPHTHALMIC HAZARDS OF MICROWAVE 0522
EFFECT OF MICROWAVES ON THE RABBIT EYE 0675
ABSENCE OF HEART-RATE EFFECTS IN RABBITS DURING LOW-LEVEL MICROWAVE IRRADIATION 0695
CLINICAL ASPECTS OF NONIONIZING RADIATION 0746+
CARARACTS FOLLOWING USE OF MICROWAVE OVEN 0782+
SELECTED CASES OF MICROWAVE CATARACT IN MAN ASSOCIATED WITH CONCOMITANT ANNOTATED PATHOLOGIES 0890+
BLINDNESS, DEAFNESS AND VESTIBULAR DYSFUNCTION IN A MICROWAVE WORKER 0917+
MICROWAVE AND INFRA-RED EFFECTS ON HEART RATE, RESPIRATION RATE AND SUBCUTANEOUS TEMPERATURE OF THE RABBIT 0921
MICROWAVE CATARACTS 1041+
CLINICAL MICROWAVE CATARACTS 1530+
ELECTRONIC SMOG AS A POTENTIATING FACTOR IN CARDIOVASCULAR DISEASE: A HYPOTHESIS OF MICROWAVES AS AN ETIOLOGY FOR SUDDEN DEATH FROM HEART ATTACK IN NORTH KARELIA 1636+
CATARACTS AND AVIONIC RADIATIONS 1768+
CATARACTS IN AVIATION ENVIRONMENTS 1796+
PRELIMINARY RESULTS OF STUDIES OF THE LENTICULAR EFFECTS OF MICROWAVES AMONG EXPOSED PERSONNEL 1924+
CATARACT AFTER EXPOSURE TO NON-IONIZING RADIANT ENERGY 2042+
EFFECTS OF 35 AND 107 GHZ CW MICROWAVES ON THE RABBIT EYE 2155
POTENTIAL HAZARDS OF HERTZIAN RADIATION AND TUMORS 2374+
OCULAR EFFECTS OF 35 AND 107 GHZ CW MICROWAVES 2440
EFFECTS OF ELECTROMAGNETIC RADIATION ON BIOLOGICAL SYSTEMS 2569+
OCULAR EFFECTS OF MICROWAVE RADIATION 2570+
OCULAR EFFECTS OF MICROWAVE RADIATION 2571+
OPHTHALMIC HAZARDS OF MICROWAVE AND LASER ENVIRONMENTS 2572+
INVESTIGATION OF PERSONNEL HAZARD ASSOCIATED WITH RADIO-FREQUENCY FIELDS ENCOUNTERED IN NAVAL OPERATIONS 2573+
NONIONIZING RADIATIONJURY OF HUMANS 3437+

ZARWYN, B.
OPTICAL FILM SENSORS FOR RF HOLOGRAPHY 3359

ZARZECKI, K.
DUODENAL ULCER IN PERSONS OCCUPATIONALLY EXPOSED TO MICROWAVE RADIATION 1854

ZAYTSEV, D. L.
MAXIMUM FLUX DENSITY OF THE POWER FROM A BROADCAST SATELLITE IN THE 620-790 MHZ FREQUENCY BAND 2323

ZBDULLINA, Z. M.
EFFECT OF A PERMANENT MAGNETIC FIELD ON ELABORATION OF CONDITIONED REFLEXES IN MICE UNDER FOOTHILL AND ALPINE CONDITIONS 0273

ZDAREK, J.
IMPORTANCE OF ANTENNAE FOR ORIENTATION OF INSECTS IN A NON-UNIFORM MICROWAVE EM FIELD 1847

ZEMAN, G. H.
GAMMA-AMINOBUTYRIC ACID METABOLISM IN RATS FOLLOWING MICROWAVE EXPOSURE 0482+

ZENINA, I. N.
RESEARCH DATA ON THE STANDARDIZATION OF EM FIELDS IN THE SHORT AND ULTRASHORT WAVE RANGES 2555

ZENONE, S.
DETECTION OF EMR FROM THE BRAIN 2312

ZERVAS, N. T.
TEREOTACTIC RADIOFREQUENCY HYPOPHYSECTOMY 3436+

ZERVINS, A.
CHICK EMBRYO DEVELOPMENT IN A 26-KHZ EM FIELD 1014+

ZEYNALOV, R. K.
THE PROBLEM OF CORRELATING BIOCHEMICAL DATA TO THE CONDITION OF THE NEUROMUSCULAR APPARATUS OF PARKINSONISM PATIENTS SUBJECTED TO DECIMETER WAVE THERAPY 1491

ZHAVRID, E. A.
APPLICATIONS OF LOCAL EM HYPERTHERMIA IN ONCOLOGY 2803

ZHDANOVICH, N. V.
EFFECTS OF SHF FIELDS ON ENZYMATIC ACTIVITIES AND PYRIDOXINE LEVELS IN THE ORGANS OF WHITE RATS 1513

ZHEHAR', V. M.
HUMAN SUSCEPTIBILITY TO WEAK MAGNETIC FIELDS 2465

ZHGENTI, T. G.
FUNCTIONAL RELATIONSHIP OF THE ATMOSPHERIC SPECTRUM OF ELECTRICAL DISCHARGES AND THE BIOLOGICAL ACTIVITY OF LIVING ORGANISMS (IN RUSSIAN) 2724+

ZHGUN, A. A.
EXPERIENCE WITH DECIMETER WAVE THERAPY AS PART OF COMPREHENSIVE TREATMENT FOR PATIENTS WITH PEPTIC ULCER 2804+

ZHIBAK, Y. D.
RF HAZARDS: WHAT WE DON'T KNOW CAN HURT ELEMENTS, METALLOPROTEINES AND SOME INDICATORS OF OXIDATION- REDUCTION PROCESSES IN THE ORGANISM 2348

ZHUK, E. G.
DISINFECTING EFFECT OF PULSED ELECTRICAL DISCHARGES ON BINARY BACTERIAL SUSPENSION (IN RUSSIAN) 2725+

ZHUMANBAEV, K. A.
EXPERIENCE WITH THE USE OF GLUCOSORTICOSTEROIDS AND MAGNETIC FIELD IN THE INTENSIVE THERAPY OF SEVERE FORMS VIRAL HEPATITIS 0013

ZHURAVLEV, A. I.
RADIOSENSITIVITY IN ELECTROMAGNETIC FIELDS 0207+

ZHURAVLEV, V. A.
THE COMBINED EFFECT OF SUPERHIGH-FREQUENCY FIELDS AND ADVERSE MICROCLIMATE ON THE ORGANISM 1981+
METHODS OF CONDUCTING SVCH IRRADIATION OF ANIMALS 2043+

ZIEMER, P. L.
MICROWAVE DOSIMETRY 0654

APPLICATION OF NONTHERMAL EFFECTS IN HIGH DIELECTRIC MATERIALS TO MICROWAVE DOSIMETRY 1747

TEMPERATURE DISTRIBUTIONS INDUCED BY 2450 MHZ MICROWAVE RADIATION IN A TRILAYERED SPHERICAL PHANTOM 1816

ZILBER, S.

IN VIVO ELECTROPHYSIOLOGY OF TENDONS AND APPLIED CURRENT DURING TENDON HEALING 1679

ZIMMER, R.

MILLIMETER-WAVE THERMOGRAPHY: APPLICATION TO BREAST CANCER. 0234

NUMERICAL CALCULATION OF ELECTROMAGNETIC ENERGY AND TEMPERATURE DISTRIBUTION IN A MICROWAVE IRRADIATED BREAST CANCINOMA: PRELIMINARY RESULTS 0295+

ZIMMER, R. P.

SELECTIVE EM HEATING OF TUMORS IN ANIMALS IN DEEP HYPOTHERMIA 1957+

ZIMMERMAN, J.

THE HUMAN MAGNETOENCEPHALOGRAM: SOME EEG AND RELATED CORRELATIONS 2462

ZIMMERMAN, J. E.

HUMAN MAGNETIC AUDITORY EVOKED FIELDS. 0187

MAGNETOCARDIOGRAMS TAKEN INSIDE A SHIELDED ROOM WITH A SUPERCONDUCTING POINT-CONTACT MAGNETOMETER 2103

THE HUMAN MAGNETOENCEPHALOGRAM: SOME EEG AND RELATED CORRELATIONS 2462

ZIMMERMAN, J. T.

HUMAN MAGNETIC AUDITORY EVOKED FIELDS. 0187

ZIMSKAIA, Z. G.

EFFECT OF STATIC ELECTRICITY ON THE HUMAN ORGANISM UNDER THE CONDITIONS PREVAILING IN THE CITY OF FRUNZE (IN RUSSIAN) 2076

ZINKL, J.

SOME EFFECTS OF EXPOSURE OF THE JAPANESE QUAIL EMBRYO TO 2.45-GHZ MICROWAVE RADIATION 1088

ZINKL, J. G.

EXPOSURE OF RABBIT ERYTHROCYTES TO MICROWAVE RADIATION 0903

ZINOV'YEVA, N. B.

THE POSSIBLE ROLE OF WATER IN TRANSFER OF MILLIMETER RANGE RADIATION TO BIOLOGICAL OBJECTS. 0241

ZLATAROV, I.

STUDY OF THE ACTION OF EM WAVES AT VARIOUS REGIONS OF THE RADIO BAND ON SOME FUNCTIONAL INDICES IN WORKERS 1482

ZOBISCH, E.

POSSIBLE INFLUENCE OF ATMOSPHERIC ELECTRICITY ON WELL-BEING (IN GERMAN) 1627

ZORZY, J.

SKIN-EFFECT CORRECTIONS IN IMMITTANCE AND SCATTERING COEFFICIENT STANDARDS EMPLOYING PRECISON AIR-DIELECTRIC COAXIAL LINES. 3343+

MEASUREMENT OF ATTENUATION AND LOSS. 3345+

THE APPLICATION OF PRECISON TRANSMISSON LINES AND PRECISON CONNECTORS AS ACCURATE IMMITTANCE STANDARDS. 3348+

ZUBKOVA, S. M.

RADIOSENSITIVITY IN ELECTROMAGNETIC FIELDS. 0207

PHYSICOCHEMICAL MECHANISMS OF THE BIOLOGICAL ACTIVITY OF MICROWAVES 2807

ZUBRIK, J.

THE PROBLEM OF EVALUATION OF EEG FINDINGS IN RELATION TO THE EXPOSURE OF USW RADIOWAVES (IN POLISH) 1943

ZUFAROV, K. A.

THE BIOLOGICAL EFFECT OF ELECTROMAGNETIC FIELDS 2491

ZUK, W. M.

RECOMMEND SAFETY PROCEDURES FOR THE INSTALLATION AND USE OF RADIOFREQUENCY AND MICROWAVE DEVICES IN THE FREQUENCY RANGE 10 MHZ - 300 GHZ 0284

ZYDECKI, S.

HEALTH SURVEILLANCE OF PERSONNEL OCCUPATIONALLY EXPOSED TO MICROWAVES. PART III: LENS TRANSLUCENCY 0796

ASSESSMENT OF LENS TRANSLUCENCY IN JUVENILES, MICROWAVE WORKERS AND AGE-MATCHED GROUPS 0892+

INVESTIGATIONS AND RATING OF THE ORGAN OF VISION OF PERSONS EXPOSED TO THE EFFECT OF MICROWAVES (WITH PARTICULAR CONSIDERATION OF DULLNESS IN THE EYE-LENSES) 2578+

INVESTIGATIONS AND RATING OF THE ORGAN OF VISION OF PERSONS EXPOSED TO THE EFFECT OF MICROWAVES WITH PARTICULAR CONSIDERATION OF DULLNESS IN THE EYE-LENSES 3474+

ZYSS, R.

MORPHOLOGICAL CHANGES IN THE CELLS OF CORTI'S ORGAN FOLLOWING EXPOSURE TO MICROWAVES (IN POLISH) 0990+

CHANGES IN ACTIVITY OF CERTAIN ENZYMES IN THE CELLS OF CORTI'S ORGAN IN GUINEA PIGS FOLLOWING LONG-TERM EXPOSURE TO MICROWAVES (IN POLISH) 1901

ZYWIETZ, F.

EFFECT OF LOCAL HYPERTHERMIA INDUCED BY MICROWAVES AND XRAYS ON WALKER'S CARCINOMA OF THE RAT. (IN GER.) 0136

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PRE-
PRE-AND
PRE-EXISTING
PRE-PURCHASE
PRELIMINARY
PREPARATION
PREPARATIONS
PREPARING
PRESENCE
PRESENT
PRESENTATION
PRESENTLY
PRESERVE
PRESERVED
PRESERVING
PRESTON
PREVAILING
PRINCIPLES
PRINT
PRINTED
PRINTING
PRIOR
PRIORITY
PROBLEM
PROBLEMS
PROCEEDINGS
PROCESS
PROCESSES
PROCESSING
PROCESSING-TABULATED
PRODUCE
PRODUCED
PRODUCES
PRODUCING
PRODUCT
PRODUCT
PRODUCTION
PRODUCTIVE
PRODUCTS
PRODUCTS-
PROFESSIONALLY
PROFILES
PROGRAMS-FISCAL
PROGRESS
PROGRSS
PROJECT
PROMISING
PROMPTS
PRONE
PROOF
PROPOSAL
PROPOSALS
PROPOSED
PROSPECTS
PROVE
PUBLIC
PUBLIC-OCS
PUD
PUEBLO
PURE
PURPOSES
PURULENT
PYRAMIDOL
QUALITY
QUALITY-FACTOR
QUANTIES
QUARTERLY
QUEST
QUESTIONNAIRE
QUOTIENT
R-F
R42
RADC-TN-59-199
RADIATA
RADIATION--A
RADIATION--I
RADIATION--II
RADIATION--III
RADIO
RADIO-

RADIO-AND
RADIO-GREQUENCY
RADIOACITIVITY
RADIOCHASTOT
RADIOCOR
RADIOL
RADISTION
RADITION
RAFINESQUE
RAIN
RAISING
RALPH-AN
RANDOM
RANGE
REACH
REACT
READOUT
REAL
REALITY
RECENT
RECOMMENDED
RECORDER
RECORDER-A
RECORDING
RECOVERY
REGIME
REHEATED
RELATED
RELATINESTIC
RELATING
RELATION
RELATIONS
RELATIONSHIP
RELATIONSHIPS
RELATIVE
RELATIVELY
RELAYING
RELEASE
RELEASING
RELEVANT
RELIEF
RELIEVES
REMAIN
REMOTE
REPEATED
REPETITIVE
REPLY
REPORT
REPORT
REPORT--PROPOSED
REPORT-EFFECTS
REPORTED
REPORTER
REPORTS
REPRESENTATIONS
REPRINT
REPRODUCIBLE
REPT
REQUENCY
REQUEST
REQUIREMENTS
REQUISITE
RESEARCH
RESEARCH
RESEARCH--
RESEARCH--A
RESEARCHERS
RESEARCHING
RESOURCE
RESPECT
RESPOND
REST
RESTING
RESTORATIVE
RESULT
RESULTING
RESULTS
RETURN
REVISIONS
REVOLUTION
REVUE
REWARMING
RICHARD
RICHARDSON
RICHLAND
RICHMOND
RIGHTS-
RIGHTS-OF-WAY
RIGID
RISE
RISES
RIVER
RIVISED
ROCHESTER--THE
ROCKVILLE
ROLE
ROOF
ROOM
ROSE
ROSES
ROUND
ROUS
ROUTINE
RRENTS
RULE
RULES
RUM
RUMANIAN
RURAL
RUS
RUSSIA
RUSSIAN
RUUNNING
S-T
SAE
SAIMIRI
SALE
SALINA
SALVAGE
SAMPLE
SAMPLED
SAMPLES
SAMPLING
SAN
SAY
SCALE
SCAN
SCANNING
SCARE
SCHEDULE
SCHEDULE-CONTROLLED
SCHEME
SCHEMES
SCHOOL
SCHOOLING
SCIENCE
SCIENCES
SCIENTFIC

SCIENTIFIC
SCIENTISTS
SCOPE
SCORE
SEARCH
SEC
SECOND
SECOND-GENERATION
SECTION
SECTIONS
SEDUXEN
SEEKING
SEEN
SELECTED
SEMICLASSICAL
SEPARATING
SEPARATION
SEPT
SEPTEMBER
SEQUENCE
SERIOUS
SERVICE
SERVICES
SESSION
SETTING
SEVEN
SEVENTEEN
SEVENTH
SEVERAL
SEVERE
SHEET
SHIFTS
SHIPPINGPORT
SHOPS
SHOT
SHOW
SHOWS
SIEGE
SIFTON
SIGHTS
SILENT
SILICON
SILLIMAN
SIMILARITY
SIMPLE
SIMPLEX
SIMPLIFIED
SINGLE
SITE
SITU
SIX-CHANNEL
SIXTH
SIZE
SIZES
SKAMANIA
SLOPE
SMALL
SMOOTH
SO-CALLED
SOCIOCUSIS
SODIUM
SOLID
SOLIDS
SOLUBLE
SOLUTION
SOLUTIONS
SOME
SONIC
SOUGHT
SOURIS
SOUTHEASTERN
SOUTHERN
SOUTHWEST
SOUTHWESTERN
SOVIET
SOVIETS
SPACE
SPACED
SPAN
SPANISH
SPECIAL
SPECIALIZED
SPEECH
SPEED
SPONSORED
SPOT
SPOTS
SQUARE-WAVE
SQUARED
STABLE
STAFF
STAND
STATE
STATE
STATEMENT
STATEMENTS
STATES
STATION
STATUS
STEADY
STENENSON
STEP
STEPS
STEREO
STOMATAL
STOPPING
STORED
STORED-GRAIN
STORM
STRANGE
STRINGS
STRONG
STRONGEST
STUCHLY
STUDI&S
STUDIED
STUDIES
STUDY
STUDYING
SUB-
SUB-SPAN
SUBJECT
SUBJECTED
SUBJECTS
SUBMISSION
SUBMITTED
SUBSTANCE
SUBSTANCES
SUBSTANZEN
SUBSTITUTE
SUBSTITUTES
SUBTILIS
SUBURBAN
SUCCESIVE
SUCCINATE
SUCH
SUDDEN
SUFFERING
SUGGESTED
SUIT
SUOERCONDUCTING
SUPER
SUPERIOR
SUPERSTRONG
SUPERVISARY
SUPPLY
SUPPORT
SUPPORTS
SUR
SURROUNDING
SURROUNDINGS
SURVEY-MYSTIC
SUSPENSION
SUSPENSIONS
SUURIOUS
SUZES
SVCH
SWEDISH
SWEPT
SWISS
SWITCH
SWITCHING
SYATEMS
SYS
T-AND
TABLE
TABLES
TABS
TAGGED
TAKEN
TAKING
TALKIE
TALKING
TANNAGE
TASK
TATIONS
TELEVISSION
TELL
TEM
TEN
TEN-CENTIMETER
TERM
TERMS
TERRAIN-A

TERRESTRAIL
TEST
TESTING
TESTS
TEXAS
THAN
THAT
THE
THEIR
THEM
THERE
THEREBY
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THEROF
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THEY
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THICKNESS
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THIS
THREE
THREE-CENTIMETER
THROUGH
THROUGHOUT
THRU
TILT
TIP
TIPS
TKO
TODAY
TOGETHER
TOOL
TOOLS
TOTAL
TOURS
TOWARD
TOWARDS
TOWNS
TRACKING
TRAFFIC
TRAINING
TRAINS
TRC
TREAD
TREAT
TRENDS
TRIAL
TRIALS
TRINKVERHALTEN
TRY
TSL
TURN
TURNOVER
TVI
TWENTY-FOUR-HOUR
TWENTYNINE
TWIN
TWINEBROOK
TWO
TWO-LAYER
TWO-LOOP
TYPE
TYPES
TYPICAL
UKR
UKRAINIAN
ULTRA-COURTES
UMTA
UND
UNDER
UNDERGOING
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UNDERSTANDING
UNDERWAY
UNEXPECTED
UNEXPLAINED
UNFAVORABLE
UNFILTERED
UNFOLDING
UNIFORM
UNIFORMITY
UNIFORMLY
UNILATERAL
UNION
UNIT
UNITED
UNITS
UNIVERSITY
UNREASONING
UNSEEN
UNSOLICITED
UNSTEADY
UNTREATED
UPDATE
UPON
UPPER
UPTAKE
URE
URSI
US-USSR
USA
USAEC-DAT
USAF
USAGE
USCG
USE
USE-NCRP
USED
USEFUL
USER
USES
USING
USSR
USW
UTILITY
UTILIZATION
UTILIZED
UTILIZING
VACUUM
VALIDATION
VALLEY
VALUE
VALUES
VAN
VARIABLE
VARIABLES
VARIOUS
VARY
VARYING
VAS
VELOCITY
VERSUS
VERY
VETERAN
VIA
VICINITIES
VICINITY
VIDEO
VIEW
VIEWS
VISIT
VLA
VOICE
VOL
VOLUME
VON
WAALS
WAKE-UP
WALKER
WALKIE
WALL
WARM
WARMING
WARNING
WASHINGTON
WATER
WATERFORD
WATT
WEAK
WEAKLY
WEAR
WEED
WEIGHT
WELCHII
WELFARE
WELL
WELL-BEING
WELLEN
WEST
WESTERN
WET
WHAT
WHEEL
WHEN
WHERE
WHICH
WHITE
WHITEHEAD
WHO
WHY
WIDE
WIND

WIRE
WIRES
WIRING
WISCONSIN
WISH
WITCHCRAFT
WITH
WITHIN
WITHOUT
WITHSTAND
WKB
WON
WORK
WORKS
WORLD
WORST-CASE
WWBV
WWV
WWVH
YAKOVLEVA
YEAR
YELLOW
YIELD
YIELDS
YORK
YOU
YOUNG
YOUR
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